# DEPARTMENT OF THE NAVY FISCAL YEAR (FY) 2002 AMENDED BUDGET SUBMISSION



# JUSTIFICATION OF ESTIMATES JUNE 2001

AIRCRAFT PROCUREMENT, NAVY
Volume I:
BUDGET ACTIVITIES 1-4

#### DEPARTMENT OF THE NAVY

#### FY 2002 PROCUREMENT PROGRAM

# SUMMARY JUNE 2001 (\$ IN MILLIONS)

APPROPRIATION: AIRCRAFT PROCUREMENT, NAVY			
ACTIVITY	FY 2000	FY 2001	FY 2002
01. COMBAT AIRCRAFT	4,654.2	4,834.3	4,520.1
02. AIRLIFT AIRCRAFT	423.9	396.5	246.2
03. TRAINER AIRCRAFT	381.8	384.3	179.3
04. OTHER AIRCRAFT	71.4	227.3	299.0
05. MODIFICATION OF AIRCRAFT	1,834.5	1,232.7	1,083.8
06. AIRCRAFT SPARES AND REPAIR PARTS	983.2	932.9	1,420.3
07. AIRCRAFT SUPPORT EQUIPMENT & FACILITIES	512.4	391.3	503.8
TOTAL AIRCRAFT PROCUREMENT, NAVY	8,861.4	8,399.3	8,252.5

### DEPARTMENT OF THE NAVY

FY 2002 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 1506N AIRCRAFT PROCUREMENT, NAVY DATE: JUNE 2001

#### MILLIONS OF DOLLARS

				]	MILLIONS (	OF DOLLAR	S		
LINI NO	ITEM NOMENCLATURE			COST		COST	FY :	2002 COST	S E C
BUDO	GET ACTIVITY 01: COMBAT AIRCRAFT								
COI	MBAT AIRCRAFT								
1	AV-8B (V/STOL)HARRIER (MYP) LESS: ADVANCE PROCUREMENT (PY)	A	11	(296.0) (-40.5)		(315.0) (-55.2)			U
				255.5		259.8			
2	AV-8B (V/STOL)HARRIER (MYP) ADVANCE PROCUREMENT (CY) (FY 2000 FOR FY 2001) (MEMO)			40.5 (40.5)					U
3	F/A-18E/F (FIGHTER) HORNET (MYP) LESS: ADVANCE PROCUREMENT (PY)	В		(2,779.3) (-107.9)		(2,855.0) (-104.6)		3,180.1) (-112.6)	
				2,671.4		2,750.5		3,067.5	
4	F/A-18E/F (FIGHTER) HORNET (MYP) ADVANCE PROCUREMENT (CY) (FY 2000 FOR FY 2001) (MEMO) (FY 2000 FOR FY 2002) (MEMO) (FY 2000 FOR FY 2003) (MEMO) (FY 2000 FOR FY 2004) (MEMO) (FY 2001 FOR FY 2004) (MEMO) (FY 2001 FOR FY 2003) (MEMO) (FY 2001 FOR FY 2003) (MEMO) (FY 2001 FOR FY 2004) (MEMO) (FY 2002 FOR FY 2003) (MEMO)			161.3 (104.6) (18.9) (18.9) (18.9)		(93.7) (3.2) (3.2)		88.9	
								, ,	
5	V-22 (MEDIUM LIFT) LESS: ADVANCE PROCUREMENT (PY)	В	11	(-52.9)		(1,196.8) (-70.3)	•	1,080.8) (-70.9)	
				848.3		1,126.4		1,009.9	
6	V-22 (MEDIUM LIFT) ADVANCE PROCUREMENT (CY) (FY 2000 FOR FY 2001) (MEMO) (FY 2001 FOR FY 2002) (MEMO) (FY 2002 FOR FY 2003) (MEMO)			70.3 (70.3)		70.9 (70.9)		48.4	
7	AH-1W (HELICOPTER) SEA COBRA	A		1.9		2.4		1.4	U
8	SH-60R	A	7	223.8		209.4		25.1	U

### DEPARTMENT OF THE NAVY

FY 2002 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 1506N AIRCRAFT PROCUREMENT, NAVY DATE: JUNE 2001

#### MILLIONS OF DOLLARS

			ļ	MILLIONS (	OF DOLLAR	S		~
LINE NO ITEM NOMENCLATURE		FY QUANTITY		FY QUANTITY	COST	FY QUANTITY		S E C
9 E-2C (EARLY WARNING) HAWKEYE (MYP) LESS: ADVANCE PROCUREMENT (PY)	А	3	(244.8)		(358.7)		(384.8)	
			209.4		247.3		242.7	
10 E-2C (EARLY WARNING) HAWKEYE (MYP) ADVANCE PROCUREMENT (CY) (FY 2000 FOR FY 2001) (MEMO) (FY 2000 FOR FY 2002) (MEMO) (FY 2000 FOR FY 2003) (MEMO)			171.9 (63.3) (54.3) (54.3)		67.5		36.2	U
(FY 2000 FOR FY 2003) (MEMO) (FY 2001 FOR FY 2003) (MEMO) (FY 2001 FOR FY 2003) (MEMO) (FY 2002 FOR FY 2003) (MEMO)			, ,		(39.5) (27.9)		(36.2)	
TOTAL COMBAT AIRCRAFT			4,654.2		4,834.3		4,520.1	
BUDGET ACTIVITY 02: AIRLIFT AIRCRAFT  AIRLIFT AIRCRAFT  11 CH-60S (MYP)	A	16	(304.7)	15			(253.3)	
LESS: ADVANCE PROCUREMENT (PY)			(-25.7)		(-76.7) 		(-71.3)	U
			279.0		213.4		182.0	
12 CH-60S (MYP) ADVANCE PROCUREMENT (CY) (FY 2000 FOR FY 2001) (MEMO) (FY 2001 FOR FY 2002) (MEMO)			76.7 (76.7)		71.3		64.2	U
(FY 2002 FOR FY 2003) (MEMO)					( /		(64.2)	
13 UC-35	В	2	11.9	1	7.5			U
14 C-40A	А	1	56.3	1	54.5			U
15 C-37	A			1	49.8			U
TOTAL AIRLIFT AIRCRAFT			423.9		396.5		246.2	

# DEPARTMENT OF THE NAVY

FY 2002 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 1506N AIRCRAFT PROCUREMENT, NAVY DATE: JUNE 2001

#### MILITONS OF DOLLARS

			İ	MILLIONS (	OF DOLLAR	S		0
LINE NO ITEM NOMENCLATURE		FY QUANTITY		FY QUANTITY		FY QUANTITY	2002 COST	
BUDGET ACTIVITY 03: TRAINER AIRCRAFT								
TRAINER AIRCRAFT								
16 T-45TS (TRAINER) GOSHAWK LESS: ADVANCE PROCUREMENT (PY)	А	15	(324.9)		(308.1)		(184.4)	
			317.0		298.6		179.3	
17 T-45TS (TRAINER) GOSHAWK ADVANCE PROCUREMENT (CY) (FY 2000 FOR FY 2001) (MEMO)			9.5 (9.5)		5.1			U
(FY 2001 FOR FY 2002) (MEMO)					(5.1)			
18 JPATS	В	12	55.4	24	80.6			U
TOTAL TRAINER AIRCRAFT			381.8		384.3		179.3	
BUDGET ACTIVITY 04: OTHER AIRCRAFT								
OTHER AIRCRAFT								
19 КС-130Ј	В	1	71.4	3	227.3		299.0	U
TOTAL OTHER AIRCRAFT			71.4		227.3		299.0	
BUDGET ACTIVITY 05: MODIFICATION OF AIRC	RAFT							
MODIFICATION OF AIRCRAFT								
20 EA-6 SERIES	А		255.9		187.6		137.6	U
21 AV-8 SERIES	А		52.3		114.3		49.5	U
22 F-14 SERIES	А		79.7		31.3		4.5	U
23 ADVERSARY	А				6.9		34.8	U
24 F-18 SERIES	А		317.7		261.8		193.2	U
25 H-46 SERIES	А		16.8		19.4		38.7	U

UNCLASSIFIED

# DEPARTMENT OF THE NAVY FY 2002 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1506N AIRCRAFT PROCUREMENT, NAVY DATE: JUNE 2001

			MILLIONS OF DOLLAR	S	~
LINE NO ITEM NOMENCLATURE	CODE Ç	FY 2000 QUANTITY COST	QUANTITY COST		S E C
26 AH-1W SERIES	А	18.5	13.6	10.8	U
27 H-53 SERIES	A	28.9	24.5	16.5	U
28 SH-60 SERIES	А	49.0	36.8	1.7	U
29 H-1 SERIES	А	15.2	15.5	1.1	U
30 H-3 SERIES	А	3.3	.1	4.2	U
31 EP-3 SERIES	A	84.2	65.9	123.7	U
32 P-3 SERIES	A	401.1	98.4	113.2	U
33 S-3 SERIES	A	80.2	68.4	43.2	U
34 E-2 SERIES	A	71.5	42.1	14.6	U
35 TRAINER A/C SERIES	A	8.7	19.2	5.2	U
36 C-2A	A	25.2	3.1	27.4	U
37 C-130 SERIES	A	17.0	7.8	5.4	U
38 FEWSG	A	.6	.6	.6	U
39 CARGO/TRANSPORT A/C SERIES	A	16.1	7.9	4.2	U
40 E-6 SERIES	A	84.4	60.1	74.8	U
41 EXECUTIVE HELICOPTERS SERIES	A	12.6	7.6	16.2	U
42 SPECIAL PROJECT AIRCRAFT	A	34.9	1.9	3.1	U
43 T-45 SERIES	A	10.2	9.0	12.8	U
44 POWER PLANT CHANGES	А	16.8	16.9	13.1	U
45 COMMON ECM EQUIPMENT	А	54.1	41.5	33.3	U
46 COMMON AVIONICS CHANGES	А	79.5	70.4	65.1	U
47 V-22 (TILT/ROTOR ACFT) OSPREY	В			35.0	U
TOTAL MODIFICATION OF AIRCRAFT		1,834.5	1,232.7	1,083.8	

### DEPARTMENT OF THE NAVY

FY 2002 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 1506N AIRCRAFT PROCUREMENT, NAVY DATE: JUNE 2001

#### MILLIONS OF DOLLARS

				MILLIONS O	F DOLLAR	RS		S
LINE NO ITEM NOMENCLATURE	CODE		COST	QUANTITY	COST	FY 2		E
BUDGET ACTIVITY 06: AIRCRAFT SPARES AND								
AIRCRAFT SPARES AND REPAIR PARTS								
48 SPARES AND REPAIR PARTS	А		983.2		932.9		1,420.3	U
TOTAL AIRCRAFT SPARES AND REPAIR PARTS			983.2		932.9		1,420.3	
BUDGET ACTIVITY 07: AIRCRAFT SUPPORT EQ	UIPMENT	& FACILI	TIES					
AIRCRAFT SUPPORT EQUIPMENT AND FACILITI	ES							
49 COMMON GROUND EQUIPMENT	A		376.5		312.5		332.9	U
50 AIRCRAFT INDUSTRIAL FACILITIES	А		20.5		14.6		18.2	U
51 WAR CONSUMABLES	А		14.6		13.9		12.6	U
52 OTHER PRODUCTION CHARGES	А		59.5		36.7		27.6	U
53 SPECIAL SUPPORT EQUIPMENT	А		33.8		12.0		110.9	U
54 FIRST DESTINATION TRANSPORTATION	A		4.6		1.5		1.6	U
55 CANCELLED ACCOUNT ADJUSTMENTS (M)	А		2.8					U
TOTAL AIRCRAFT SUPPORT EQUIPMENT & FACIL	ITIES		512.4		391.3		503.8	
TOTAL AIRCRAFT PROCUREMENT, NAVY			8,861.4		8,399.3	-	3,252.5	

# **UNCLASSIFIED**

			BUDGE	T ITEM JU: F	STIFICATIO P-40	ON SHEET	-				DATE: June 2001		
APPROPRIATION/BUDG	ET ACTIVITY						P-1 ITEM NO	MENCLATU	RE				
Aircraft Procuremen	nt, Navy								AV-	BB Remani	ufacture (N	IYP)	
rogram Element for Code B Items:							Other Related Program Elements						
	Prior Years	ID Code	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Program	
QUANTITY	51		11	12									
Net P-1 Cost (\$M)	1,353.076	Α	255.478	259.790									
Advance Proc (\$M)	148.733	Α	40.450										
Wpn Sys Cost (\$M)	1,501.809	Α	295.928	259.790									
Initial Spares (\$M)	69.678	Α	13.501	0.196									
Proc Cost (\$M)	1,571.487		309.429	259.986									
Unit Cost (\$M)	30.813		28.130	21.666									

#### Description:

DD Form 2454, JUN 86

MISSION: The AV-8B meets the Marine Corps requirements for a light attack aircraft to provide responsive offensive air power that can operate from austere forward bases in dir support of ground forces.

DESCRIPTION: The AV-8B Remanufacture program converts older AV-8B day attack configured aircraft to the most recent production radar/night attack Harrier II Plus configuration. The AV-8B (Harrier II) is a second generation, vertical/short takeoff and landing (V/STOL), light attack jet aircraft utilized by the USMC. The AV-8B is a responsive versatile, and dispersable aircraft capable of being operated from air-capable ships and/or ashore in support of marine operations.

BASIS FOR REQUEST: No funds are requested in FY 2002.

P-1 SHOPPING LIST PAGE NO CLASSIFICATION:

ITEM NO

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**UNCLASSIFIED** 

#### FY2002 President's Budget P-5 Cost Sheet

Date: June 2001

\$ in thousands Aircraft model: AV-8B

			FY 2	2000	FY 2	2001	FY 2	002	FY 2	2003
		Prior Years	Qty:	11	Qty:	12	Qty:	0	Qty:	0
		Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1	Airframe CFE	870,970.540	15,112.476	166,237.236	16,226.355	194,716.260	0	0	0	0
2	CFE Electronics	0	0	0	0	0	0	0	0	0
3	GFE Electronics	31,820.005	803.090	8,833.994	563.319	6,759.831	0	0	0	0
4	Engines/Eng Acc	212,698.460	3,487.031	38,357.337	3,804.819	45,657.831	0	0	0	0
5	Armament	0	0	0	0	0	0	0	0	0
6	Other GFE	29,263.720	884.861	9,733.473	922.003	11,064.035	0	0	0	0
7	Rec Flyaway ECO	0	0	0	0	0	0	0	0	0
8	Rec Flyaway Cost	1,144,752.724	20,287.458	223,162.040	21,516.496	258,197.957	0	0	0	0
0	Non Boour Coat	20 607 770		0		0		0		0
9	Non-Recur Cost	29,607.778		0		0		0		0
10	Ancillary Equip	0		0		0		0		0
11	Tatal Element	4 474 000 500	00 007 450	0	04 540 400	0	•			•
12	Total Flyaway	1,174,360.502	20,287.458	223,162.040	21,516.496	258,197.957	0	0	0	0
40	A: (	05.440.000		0		0				•
13	Airframe PGSE	35,146.638		8,847.000		7,690.792		0		0
14	Engine PGSE	6,907.644		993.000		924.533		0		0
15	Avionics PGSE	76,727.818		10,373.000		8,837.681		0		0
16	Pec Trng Eq	30,506.047		23,330.018		558.816		0		0
17	Pub/Tech Eq	15,931.621		2,572.000		6,681.408		0		0
18	Prod Eng Supt	75,042.790		20,193.000		19,776.419		0		0
19	ILS/REL Dem	29,430.399		7,991.895		13,345.269		0		0
20		0		0		0		0		0
21	Support Cost	269,692.956		74,299.913		57,814.918		0		0
				0		0				
22	Gross P-1 Cost	1,444,053.458		297,461.953		316,012.876		0		0
23	Adv Proc Credit	-90,977.184		-41,983.873		-56,222.546		0		0
24	Net P-1 Cost	1,353,076.274		255,478.080		259,790.330		0		0
25	Adv Proc CY	148,733.184		40,450.419		0		0		0
26	Weapon System Cost	1,501,809.458		295,928.499		259,790.330		0		0
27	Initial Spares	69,678.000		13,501.000		196.000		0		0
28	Procurement Cost	1,571,487.458	28,129.954	309,429.499	21,665.527	259,986.330		0		0

P-1 SHOPPING LIST

PAGE NO ITEM NO 2 1

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BUDGET PROCURE	MENT HISTO	RY AND P	LANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
						AV-8B			1	n-01
B. APPROPRIATION/BUDGE					C. P-1 ITEM NON				SUBHEAD	
Aircraft Procure	ment, Nav	y I	BUDGET ACTIVIT	Y 1	AV-8B REM	IANUFACTURE AIRFRA	AME (MYF	?)	U1CC/U1	IAK
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE
Regular / 2000	11	15,112	NAVAIR		MYP/FPIF	Boeing, St Louis	11/99	9/01	YES	N/A
Advance / 2000			NAVAIR	N/A	MYP/AAC	Boeing, St. Louis	11/99			
Regular / 2001	10	15,535	NAVAIR		MYP/FPIF	Boeing, St. Louis	11/00	8/02	YES	N/A
Regular / 2001	2	19,684	NAVAIR		SS/FFP	Boeing, St. Louis	3/01	6/03	YES	N/A

D. REMARKS

Boeing contract negotiated at the Foreign Exchange Rate (\$1.63) for British Sterling (FY99-FY01).

P-1 SHOPPING LIST ITEM NO. PAGE NO. DD Form 2446-1, JUL 87 3

# UNCLASSIFIED

BUDGET PROCURE	MENT HIST	ORY AND	PLANNING EXHIB	IT (P-5A)		Weapon System AV-8B		A. DATE	Jun	ie-01
B. APPROPRIATION/BUDG Aircraft Procure		/y	BUDGET ACTIVIT	Y 1	C. P-1 ITEM NO		E		SUBHEAD U1CC/U	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE
Regular / 2000	11	3,487	NAVAIR		SS/FFP	Rolls Royce, Bristol UK	11/99	12/00	YES	N/A
Advance/ 2000			NAVAIR	Jun-98	SS/AAC	Rolls Royce, Bristol UK	11/99			
Regular 2001	10	3,726	NAVAIR		SS/FFP	Rolls Royce, Bristol UK	11/00	11/01	YES	N/A
Regular 2001	2	4,200	NAVAIR		SS/FFP	Rolls Royce, Bristol UK	11/00	1/03	YES	N/A

D. REMARKS

Rolls Royce contract priced at the Foreign Exchange Rate (\$1.63) for British Sterling.

P-1 SHOPPING LIST

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FY 2002 PRESIDENT'S BUDG	ET PR	ODUC	TION	SCHI	EDUL	E, P	-21											DATE						2001						
APPROPRIATION/BUDGET AC AIRCRAFT PROCUREMENT, N		,											Wea		ı Sy	stem	l	P-1				ENCLA S <b>ines</b>	TUI	RE						
							Prod	ducti	on F	Rate					Р	rocu	reme	ent L	ead	time	s									
			nufacti				0		<b></b>					rior		_T A			Initia			Reorde			<b>-</b> .				it of	
Item AV-8B REMANUFACTURE			and L YCE,	ocatio	n	IVI	SR 8	EC	0N 8		4X 20	to	Oct	[ 1		Oct 7	1	IVI	fg Pl	_ ! _		Mfg PL 24	. I		<u>Tota</u> 31			Mea	isure	<u>,                                    </u>
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FY 99 INSTALLS	99	N	11	9	2	1	1																		-					
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	Y	C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
FY 01 INSTALLS	01	N	12	10	2				2																					
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 DD Form 2445, JUL 87
 Previous editions are obsolete
 P-1 SHOPPING LIST

 311/244
 ITEM NO 1 PAGE 6
 6

### **UNCLASSIFIED**

									ı			
		BU	DGET ITEM	<b>JUSTIFICA</b>	TION SHEE	T			DATE:			
			P-4	0							June 200	)1
APPROPRIATION/BUD	GET ACTIVIT	ΓΥ					P-1 ITEM NO	MENCLATUR				
Aircraft Procureme	ent, Navy/ C	Combat	Aircraft, (B	SA-1)			<b>ADVANCE</b>	PROCURE	MENT AV-8E	<b>REMANUF</b>	ACTURE (M	YP)
Program Element for Co	ode B Items:						Other Related	Program Eler	nents			
0604214N												
	Prior	ID									То	
	Years	Code	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Complete	Total
COST												
(In Millions)	\$148.733	Α	\$40.450	\$0.000	\$0.000							\$189.184

MISSION AND DESCRIPTION: This line item funds long-lead requirements for the AV-8B production program. The advance procurement for Airframe/CFE in FY00 is required for Economic Order of Quantity (EOQ). The Engine requirements are calculated on a termination liability basis, reflecting contractor's funding requirements for procurement of long lead parts and materials necessary to protect the delivery schedule. Other government furnished equipment (GFE) reflects procurement of long-lead quantities needed to protect the production schedule.

BASIS FOR FY 2002 BUDGET REQUEST: No funds are requested in FY2002.

DD Form 2454, JUN 86 P-1 SHOPPING LIST ITEM NO. PAGE NO.

**CLASSIFICATION:** 

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Exhibit P-10 Advance (Page 1 - Funding)	Procure	ment Rec	quirement	ts Analysis			Date:	Jun-(	01				
Appropriation (Treas) Aircraft Procurement,					ıber		P-1 Line It AV-8B AI	tem Nomenc	lature				
Weapon System AV-8B Remanufacture					m (BY1) Aw N/A	ard Date			Interval Be	etween Systen 1 month	ns		_
						(\$	in Millions	;)					
	PLT	When Rqd	Prior Years	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	To Complete	Total
End Item Qty			51	11	12	0		T		$\overline{}$			74
Termination Liab	32	32	43.7	9.794	0.000	0.000							53.466
GFE - Engine	24	24	40.9	4.600	0.000	0.000							45.500
CFE - EMUs	23	23	1.926	0.000	0.000	0.000							1.926
GFE - Other FLIR's	43	43	10.963	5.190	0.000	0.000							16.153
GFE Other NADEP	35	35	1.8	0.723	0.000	0.000		<u> </u>					2.523
EOQ*			49.472	20.143	0.000	0.000				<u> </u>		<u> </u>	69.615
Total AP			148.8	40.450	0	0							189.184
Airframe/CFE													
Application of AP		<u> </u>							_				
AP for 00			26.021	<u> </u>									
AP for 01			14.772	20.143	ļ	<u> </u>							
Total AP	<u> </u>	<u> </u>	40.793	20.143		<del>-</del>		<u> </u>			<del>-</del>		
Weapon System					<del>                                     </del>			+	+			+	
Application of AP													
AP for 00		<del>                                     </del>	40.484	<u></u>	<del>                                     </del>			-	+			+	
AP for 01			14.772	40.450									
Total AP			148.8	40.450						<u> </u>			189.184

EOQ represents dollars necessary for prime contractor (Boeing) to order/procure items in advance of year required so that multiyear savings can be achieved. PRICES BASED ON THE FOREIGN EXCHANGE RATE (\$1.63) FOR BRITISH STERLING.

P-1 Shopping List Item No.

Exhibit P-10, Advance Procurement Requirements Analysis PAGE NO.

Exhibit P-10 Advance (Page 2 - Budget Justif		ent Requi	irements A	nalysis			Date: June 2001	[	
Appropriation (Treasur		C/R \( \Delta / R \)	S A /Item C	ontrol Number	Weapon System		P-1 Line Item N	omenclature	
Aircraft Procurement, I					AV-8B Remanut		AV-8B Advance		
Timerare i rocarement, i	iavy, Bri	01, Com	iout i interu		(TOA, \$ in Millio		11 v OB Havanev	riocarement	
			UNIT	FY 2002	FY 2002	FY 2002	FY 2003		
			01111	For FY 2003	Contract	Total Cost	For FY 2004	FY 2003 Contract	FY 2003 Total
	PLT	QPA	COST	Qty	Forecast Date	Request	Qty	Forecast Date	Cost Request
End Item	121	QIII		49	1 0100000 2 000	request	Ψ.9	T STOUBLE D WC	C dot 110quest
CFE - Airframe				0					
TERM LIABILITY				0					
GFE Engine				0					
GFE Other FLIR's				0					
GFE Other NADEP				0					
EOQ				0					
200									
<b>Total Advance Proc</b>									0.0
Description:									
No AP in FY2002.									
140 /11 111 12002.									

# CLASSIFICATION: UNCLASSIFIED

			BUDGE	T ITEM JU F	STIFICATIO P-40	ON SHEE	Γ				DATE: JUNE	2001
APPROPRIATION/BUDG	ET ACTIVITY						P-1 ITEM NO	MENCLATUR	RE			
Aircr	aft Procuren	ent, Na	avy/ Comba	at Aircraft,	(BA-1)			F/A-18E	/F (FIGHTE	ER) HORNE	ET (MYP)	
Program Element for Cod	e B Items:						Other Relate	d Program Ele	ements			
		020	4136N									
	Prior Years	ID Code	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Program
QUANTITY	62		36	39	48							İ
Net P-1 Cost (\$M)	\$6,498.647	Α	\$2,671.362	\$2,750.479	\$3,067.522							
Advance Proc (\$M)	\$666.185	Α	\$161.278	\$100.140	\$88.876							<u> </u>
Wpn Sys Cost (\$M)	\$7,164.832	Α	\$2,832.640	\$2,850.619	\$3,156.398							<u> </u>
Initial Spares (\$M)	\$239.480	Α	\$80.916	\$117.416	\$108.397							<u> </u>
Proc Cost (\$M)	\$7,404.312	A	\$2,913.556	\$2,968.035	\$3,264.795							
Unit Cost (\$M)		•	\$80.932	\$76.103	\$68.017	•						

#### **DESCRIPTION:**

The F/A-18 Naval Strike Fighter is a twin-engine, mid-wing, multimission tactical aircraft. F/A-18 can be missionized through selected use of external equipment to accomplish specific fighter or attack missions. This capability allows the Operational Commander more flexibility in employing his tactical aircraft in a dynamic scenario. The primary design mission for the F/A-18 is a strike fighter which includes the traditional applications, such as fighter escort and fleet air defense, combined with the attack applications, such as interdiction and close air support. Since the same airframe systems are used on attack missions as well as fighter missions, excellent fighter and self defense capability is retained.

#### **BASIS FOR FY 2002 BUDGET REQUEST:**

Funding is requested to procure 48 aircraft. This is the third year of a planned five year (FY00-FY04) multiyear procurement (MYP).

DD Form 2454, JUN 86 P-1 SHOPPING LIST ITEM NO. 3 PAGE NO. 1

# **UNCLASSIFIED**

	P-5 Cost Analysis				Weapon System:	1	F/A-18E/F		1	DATE:	E 2001
Page 1	) OPRIATION/BUDGET AC	`TI\/IT\/			ID Code		MENCLATURE	CUBUEAD		JUN	E 2001
APPRO	DPRIATION/BUDGET AC				ID Code	P-1 ITENING	MENCLATURE	:/SUBHEAD			
Aircra	ft Procurement, Na	avy/ Co	mbat Aircra	ft, (BA-1)	Α		F/A-18E	/F (FIGHTE	ER) HORNET	Γ (MYP)	
						TOTAL	COST IN DOLLA	ARS			
COST	ELEMENT OF COST	ID	Prior	F	Y 2000	FY	2001	FY	2002	FY	7 2003
CODE		Code	Years								
			Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cos
	Quantity		62		36		39		48		
	Airframe/CFE	A	4,032,783.927	39,722.840	1,430,022.235	38,888.088	1,516,635.427	35,611.921	1,709,372.197		
	CFE Electronics	Α	352,199.741	5,498.215	197,935.751	5,113.740	199,435.855	5,256.582	252,315.945		
	GFE Electronics	Α	154,932.515	3,064.414	110,318.919	3,310.030	129,091.173	2,844.476	136,534.861		
	Engines/Eng Acc	Α	626,028.818	8,632.794	310,780.580	8,351.148	325,694.761	8,108.336	389,200.147		
	Armament	Α	1,868.208	31.341	1,128.268	79.500	3,100.500	80.948	3,885.482		
	Other GFE	Α	27,951.630	467.334	16,824.040	488.470	19,050.317	469.744	22,547.709		
	Rec Flyaway ECO	Α	145,454.690	960.660	34,583.748	889.860	34,704.537	780.278	37,453.367		
	Rec Flyaway Cost	А	5,341,219.529	58,377.598	2,101,593.541	57,120.835	2,227,712.570	53,152.286	2,551,309.708		
	Non-Recur Cost	Α	558,958.566		86,899.380		43,081.853		49,067.025		
)	Ancillary Equip	Α	172,323.684		71,315.070		205,247.780		235,357.805		
1	Other	Α	0.000		0		0		0		
2	Total Flyaway	Α	6,072,501.779	62,772.444	2,259,807.991	63,488.262	2,476,042.203	59,077.803	2,835,734.538		
3	Airframe PGSE	Α	96,120.603		64,145.891		30,456.808		16,927.751		
4	Engine PGSE	Α	47,249.907		14,556.344		15,066.280		13,369.201		
5	Avionics PGSE	Α	48,546.971		32,910.464		54,633.635		43,238.548		
6	Pec Trng Eq	Α	199,112.000		101,714.213		13,037.964		28,563.035		
7	Pub/Tech Eq	Α	123,619.278		27,340.440		41,963.704		31,389.312		
8	Prod Eng Supt	Α	195,529.656		194,233.462		133,014.987		137,327.686		
9	Other ILS	Α	274,228.806		84,575.698		90,841.200		73,482.129		
0		Α	0		0		0		0		
1	Support Cost	А	984,407.221		519,476.512		379,014.578		344,297.662		
2	Gross P-1 Cost	А	7,056,909.000		2,779,284.503		2,855,056.781		3,180,032.200		
3	Adv Proc Credit	Α	-558,262.000		-107,923.000		-104,578.280		-112,510.499		
4	Net P-1 Cost	Α	6,498,647.000		2,671,361.503		2,750,478.501		3,067,521.701		
5	Adv Proc CY	Α	666,185.000		161,278.497		100,140.499		88,876.300		
6	Wpn Syst Cost	Α	7,164,832.000		2,832,640.000		2,850,619.000		3,156,398.001		
7	Initial Spares	Α	239,480.000		80,916.000		117,416.000		108,397.000		
8	Procurement Cost	Α	7,404,312.000		2,913,556.000		2,968,035.000		3,264,795.001		

DD FORM 2446, JUN 86

P-1 SHOPPING LIST ITEM NO. 3

PAGE NO. 2

**CLASSIFICATION:** 

**UNCLASSIFIED** 

# **UNCLASSIFIED**

BUDGET PROCUREMENT HIS	STORY AN	ID PLANNING	EXHIBIT (P-5A)			Weapon System		A. DATE		
A DEPOSITION OF A STRUCT					D. B. LITEM NOMEN	F/A-18E/F			JUNE 2001	<u> </u>
B. APPROPRIATION/BUDGET ACTIVITY  Aircraft Procu		, Navy/ Con	nbat Aircraft, (B	3A-1)	C. P-1 ITEM NOMEN	ICLATURE 8E/F (FIGHTER) HORNE	ET (MYP)	)	SUBHEAD Y1	CF
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (\$000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE
AIRFRAME/CFE										
FY99 for FY00 ADV PROC			NAVAIR	Jan-99	SS/FPIF	MDA, St. Louis, MO	Feb-99		Yes	
FY 2000	36	45,221.055	NAVAIR	Feb-99	MYP/SS/FPIF	MDA, St Louis, MO	Jun-00	Oct-01	Yes	
FY00 for FY01 ADV PROC			NAVAIR	Feb-99	MYP/SS/FPIF	MDA, St Louis, MO	Jun-00		Yes	
FY00 for FY01-04 ADV PROC (EOQ)			NAVAIR	N/A	MYP/SS/FPIF	MDA, St Louis, MO	Jun-00		Yes	
FY 2001	39	44,001.828	NAVAIR	N/A	MYP/SS/FPIF	MDA, St Louis, MO	Apr-01	Oct-02	Yes	
FY01 for FY02 ADV PROC			NAVAIR	N/A	MYP/SS/FPIF	MDA, St Louis, MO	Nov-00		Yes	
FY 01 for FY 02-04 ADV PROC (EOQ)			NAVAIR	N/A	MYP/SS/FPIF	MDA, St Louis, MO	Nov-00		Yes	
FY 2002	48	40,868.503	NAVAIR	N/A	MYP/SS/FPIF	MDA, St Louis, MO	Nov-01	Oct-03	Yes	
FY02 for FY03 ADV PROC			NAVAIR	N/A	MYP/SS/FPIF	MDA, St Louis, MO	Nov-01		Yes	

D. REMARKS

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 3 PAGE NO. 3

**CLASSIFICATION:** 

# **UNCLASSIFIED**

BUDGET PROCUREME	NT HISTOF	RY AND PLA	ANNING EXHIBIT (I	P-5A)		Weapon System		A. DATE		
						F/A-18E/F			JUNE 200	1
B. APPROPRIATION/BUDGET AC					C. P-1 ITEM NOM	ENCLATURE			SUBHEAD	
Aircraft Pro	curemen	t, Navy/ (	Combat Aircraft	:, (BA-1)	F	/A-18E/F (FIGHTER) H	ORNET		Y1	CF
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (\$000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE
F-414-GE-400 ENGINE (2 PER A/C)										
FY99 for FY00 ADV PROC			NAVAIR	May-99	SS/FFP	G.E. LYNN, MA	Jun-99		Yes	
FY 2000	72	4,316.397	NAVAIR	N/A	SS/FFP	G.E. LYNN, MA	Jul-00	Jun-01	Yes	
FY00 for FY01 ADV PROC			NAVAIR	May-99	SS/FFP	G.E. LYNN, MA	Jul-00		Yes	
FY 2001	78	4,175.574	NAVAIR	N/A	SS/FFP	G.E. LYNN, MA	Jun-01	Jun-02	Yes	
FY01 for FY02 ADV PROC			NAVAIR	N/A	SS/FFP	G.E. LYNN, MA	Jul-01		Yes	
FY 2002	96	4,054.168	NAVAIR	N/A	SS/FFP	G.E. LYNN, MA	Jun-02	Jun-03	Yes	
FY02 for FY03 ADV PROC			NAVAIR	N/A	SS/FFP	G.E. LYNN, MA	Jun-02		Yes	

D. REMARKS

P-1 SHOPPING LIST ITEM NO. 3 PAGE NO. 4

**CLASSIFICATION:** 

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FY 2002 Budget Production	Schedul	e, P-21																Date						JUI	NE 2	2001				
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APPROPRIATION/BUDGET AC	TIVITY												Wea	•	-		)	P-1	ITE	ΜN	ЮM	ENC	CLA	ΓUR	Е					
Aircraft Proc	uremei	nt, Nav	y/ Com	bat Air	rcraft, (	BA-	1						F	/A-1	18E/							F (F	IGH	TER	R) H(	ORN	IET (	(MY	P)	
							Pro	duc	tion	Rate	)					cure		nt Le	eadti	mes										
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Item			and Lo				SR		ON		AX	tc	Oct	: 1	(	Oct 1			lfg P	LT	М	lfg P	LT		Tota	al			asure	ķ
F414-GE-400 ENGINE	GI		L ELEC		CO	3	6	12	20	14	14		0			9			27			24			33				E	
(F/A18 AIRCRAFT)		L	YNN, N	1A																										
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INSTALLS - FY99	99	N	60	20	40	5	5	5	5	5	5	5	5																	0
SPARES	99	N	5	2	3		1		1		1																-	-		0
INSTALLS - FY00	00	N	72	0	72									6	6	6	6	6	6	6	6	6	6	6	6					0
SPARES	00	N	5	0	5												1		1		1		1		1					0
INSTALLS - FY01	01	N	78	0	78																					6	7	7	7	51
SPARES	01	N	8	0	8																					1	1	1	1	4
										FISC	CAL Y	ΕΛΡ	2003											EISC	AL YE	AP 2	2004			_
ITEM / MANUFACTURER	l F	s	Q	D	В		2002			1100			AR YI	FAR 2	2003										AR Y					l
	Y	v	Т	E	Α	0	N	D	J	F	М	A	М	J	J	Α	s	О	N	D	J	F	М	A	M	J		Α	s	В
		С	Y	L	L	С	0	E	Α	E	Α	Р	Α	Ü	U	U	Е	С	0	E	Α	E	Α	Р	Α	Ü	ŭ	Ü	E	A
						Т	٧	С	N	В	R	R	Υ	N	L	G	Р	T	٧	С	N	В	R	R	Υ	N	L	G	Р	ــَـــ
INSTALLS - FY01	01	N	78	27	51	7	7	7	6	6	6	6	6																	0
SPARES	01	N	8	4	4	1	1	1	1	0	0	0	0																	0
		-					Ė	ļ .		Ť																				Ĺ
INSTALLS - FY02	02	N	96	0	96									8	8	8	8	8	8	8	8	8	8	8	8					0
SPARES	02	N	13	0	13											1	1	1	1	1	2	2	2	1	1					0
																														l
Remarks:									-																					

# **UNCLASSIFIED**

BUDGET ITEM JUS	STIFICATION	ON SHE	ET						DATE:			
			P-40							Jun	e 2001	
APPROPRIATION/BUD	GET ACTIVIT	Υ					P-1 ITEM NO	MENCLATUR				
Aircraft Procure	ement, Nav	y/ Con	nbat Aircraf	t, (BA-1)				F/A-18E/F	ADVANCE	PROCURE	MENT (MYP	<b>'</b> )
	Prior	ID									То	
	Years	Code	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Complete	Total
COST												
(In Millions)	\$666.185	Α	\$161.278	\$100.140	\$88.876							

#### **MISSION AND DESCRIPTION:**

The F/A-18 Naval Strike Fighter is a twin-engine, mid-wing, multimission tactical aircraft. F/A-18 can be missionized through selected use of external equipment to accomplish specific fighter or attack missions. This capability allows the Operational Commander more flexibility in employing his tactical aircraft in a dynamic scenario. The primary design mission for the F/A-18 is a strike fighter which includes the traditional applications, such as fighter escort and fleet air defense, combined with the attack applications, such as interdiction and close air support. Since the same airframe systems are used on attack missions as well as fighter missions, excellent fighter and self defense capability is retained.

#### **BASIS FOR FY 2002 BUDGET REQUEST**

The FY 2002 request covers Airframe Contractor Furnished Equipment (CFE) multiyear procurement (MYP) requirements, engine termination liability, and long lead items for Government Furnished Equipment (GFE).

DD Form 2454, JUN 86 P-1 SHOPPING LIST ITEM NO. 4 PAGE NO. 1

CLASSIFICATION:

**UNCLASSIFIED** 

Exhibit P-10 Advance Procur	ement R	equireme	nts Analy	sis			Date:						
(Page 1 - Funding)		•	•						June 2001				
Appropriation (Treas) Code/C	C/BA/B	SA/Item C	ontrol Nu	ımber			P-1 Line I	Item Nome	enclature				
Aircraft Procure					Aircraft		F/A-18E/I	F ADVAN	CE PROC	UREMEN1	Γ (MYP)		
Weapon System				First Syst	em FY200	)2 Award I	Date		Interval be	etween Sy	stems		
F/A-18E/F					Jun-02					Monthly			
				(\$ in Millio	ns)							-	
		When	Prior									To	
	PLT	Rqd	Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Complete	Total
End Item Qty			62	36	39	48							
CFE- Airframe T.L.	30		536.8										
EOQ/Long lead													
FOR FY 2000													
FOR FY 2001 Long Lead				70.0									
FOR FY 2001 EOQ				16.5									
FOR FY 2002 Long Lead					74.7								
FOR FY 2002 EOQ				18.9	3.3								
FOR FY 2003 Long Lead						69.1							
FOR FY 2003 EOQ				18.9	3.3								
FOR FY 2004 Long Lead													
FOR FY 2004 EOQ				18.9									
TOTAL EOQ/Long Lead	Var.	Var.	0.0	143.2	84.5	69.1							
GFE - F414 Eng T.L.	24		122.2	17.7	15.5	18.4						<u> </u>	
												<u>i</u>	
GFE - Other	Var.	Var.	7.1	0.4	0.2	1.3							
Total AP			666.1	161.3	100.1	88.9							

Description:

#### NARRATIVE DESCRIPTION:

This line item funds economic order quantity (EOQ) requirements for the MYP and long-lead requirements for the F/A-18 E/F production program. Airframe /CFE and engine requirements are calculated on a termination liability basis through 31 October of the following fiscal year, reflecting the contractor's funding requirements for the procurement of long-lead parts and material necessary to protect the delivery schedule. Other Government Furnished Equipment (GFE) requirements are determined on a fully loaded basis, procuring the long-lead quantity needed to protect the production schedule.

If the advance procurement funding is not approved, a nine month break in production would occur and cause a significant increase in the cost to the government.

Exhibit P-10 Advance Pro	ocuremen	t Require	ments Analys	sis			Date:		
(Page 2 - Budget Justifica	ation)							June 2001	
Appropriation (Treasury)	Code/CC	/BA/BSA/	Item Control	Number	Weapon System		P-1 Line Item Nome	nclature	
Aircraft Procuren	nent, Nav	y/APN-1,	Fighter/Atta	nck Aircraft	F/A-	18E/F	F/A-18E/F AD	VANCE PROCUREN	IENT (MYP)
					(TOA, \$ in Millio	ons)			
				FY 2002	FY 2002	FY 2002			
				For FY 2003	Contract	Total Cost	FY 2003	FY 2003 Contract	FY 2003 Total
	PLT	QPA	Unit Cost	Qty	Forecast Date	Request	For FY 2004 Qty	Forecast Date	Cost Request
End Item		N/A				N/A			
Long Lead-Airframe	30		N.A.	MYP	Nov-01	69.1			
GFE - Engine - T.L.	24		N.A.	T.L.	Jun-02	18.4			
GFE - Other	Var.	Var.	N.A.	Var.	Var.	1.3			
TOTAL AP						88.9			

## **UNCLASSIFIED**

			BUDGE	ET ITEM JU		ON SHEET	_				DATE:	
				-	P-40						<b>JUNE 2001</b>	
APPROPRIATION/BUDG	ET ACTIVITY						P-1 ITEM NC	MENCLATUR	RE			
Aircraft Procuremen	nt, Navy BA-	1 - Con	nbat Aircra	ft				LI 5/V-22				
Program Element for Code	e B Items:						Other Related	d Program Ele	ements			
0206121M						1110011F/	Proj 64375	2, 1160404	BB/Proj 64	3752		
	Prior	ID								_	То	Total
	Years	Code	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Complete	Program
QUANTITY	19	В	11	9	12							
Net P-1 Cost (\$M)	2,059.360		848.313	1,126.433	1,009.881							
Advance Proc (\$M)	203.775		70.344	70.927	48.428							
Wpn Sys Cost (\$M)	2,263.135		918.657	1,197.360	1,058.309							
Initial Spares (\$M)	110.900		70.592	133.946	232.899							
Proc Cost (\$M)	2,374.035		989.249	1,331.306	1,291.208							
Unit Cost (\$M)	124.949		89.932	147.923	107.601						·	

#### Description:

The V-22 is a tilt-rotor vertical takeoff and landing aircraft currently being developed for joint service application. The program is being designed to provide an aircraft to meet the amphibious/vertical assault needs of the Marine Corps, the strike rescue needs of the Navy, and supplement USSOCOM special mission aircraft. The aircraft will be capable of flying 2,100 miles with one refueling, giving the Services the advantage of a Vertical/Short Takeoff and Landing (V/STOL) aircraft that could rapidly self-deploy to any location in the world.

As a result of the December 11, 2000 mishap we have conducted comprehensive external and internal review of the program. An independent review panel has been appointed to conduct this review. This budget reflects the recommended changes to the program to correct deficiencies and move forward.

The current procurement objective is 459: 361 MV-22 Marine Corps aircraft, 48 HV-22 Navy aircraft, and 50 CV-22 aircraft for USSOCOM (funded by USSOCOM and the Air Force). The program is executing Low Rate Initial Production lots prior to a Milestone III decision.

#### Basis for Request:

FY2002 procures 12 MV-22's with support.

P-1 SHOPPING LIST CLASSIFICATION:

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**UNCLASSIFIED** 

DD Form 2454, JUN 86

### P-5 Cost Sheet Dollars in Thousands Aircraft Model: MV-22

Date: June 01

TY\$K

		Prior Years	FY 20	00	FY 20	01	FY 20	002
		Qty: 19	Qty:	11	Qty:	9	Qty:	12
	<u>ITEM</u>	Total Cost	Unit Cost	Total Cost	Unit Cost *	Total Cost *	Unit Cost *	Total Cost *
1.	AIRFRAME/CFE	1,606,902.800	63,488.436	698,372.800	66,553.669	598,983.018	66,298.365	795,580.385
2.	ENGINES/ACCESS	77,968.900	3,698.182	40,680.000	3,660.000	58,560.000	3,664.000	18,320.000
3.	CFE MISSION ELEC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4.	GFE ELECTRONICS	4,245.100	467.791	5,145.700	750.463	6,754.167	705.821	8,469.852
5.	ARMAMENT	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6.	OTHER GFE	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SUBTOTAL GFE	82,214.000	4,165.973	45,825.700	4,410.463	65,314.167	4,369.821	26,789.852
7.	REC FLYAWAY ECO	6,498.882	792.009	8,712.100	2,884.444	25,960.000	2,651.935	31,823.215
8.	REC FLYAWAY COST	1,695,615.682	68,446.418	752,910.600	73,848.576	690,257.185	73,320.121	854,193.452
_	NON BEOLIBBING							40.00=.00
9.	NON-RECURRING	332,353.300		31,035.900		89,437.783		40,987.090
10.	ANCILLARY EQUIP	0.000		0.000		0.000		11,054.687
11.		0.000		0.000		0.000		0.000
12.	TOTAL FLYAWAY	2,027,968.982		783,946.500		779,694.968		906,235.229
13.	AIRFRAME PGSE	28,500.500		16,552.000		18,828.800		27,780.832
14.	ENGINE PGSE	764.600		0.000		889.200		1,673.400
15.	AVIONICS PGSE	10,488.100		4,642.000		14,715.636		24,478.264
16.	PEC TRNG EQ/PTS	72,386.700		22,381.700		3,733.500		58,767.775
17.		19,696.400		15,970.000		14,912.096		19,229.000
18.	OTHER ILS	35,634.000		31,590.200		34,117.800		36,770.500
19.	PROD ENG SUPT	14,838.130		26,088.400		31,747.400		34,010.600
20.		0.000		0.000		0.000		0.000
21.	TOTAL SUPPORT COST	182,308.430		117,224.300		118,944.432		202,710.371
22.	RESCISSION **	0.000		0.000		270,000.000		0.000
22	GROSS P-1 COST	2 240 277 442		004 470 800		4 460 630 400		1 100 045 600
23.		2,210,277.412		901,170.800		1,168,639.400		1,108,945.600
24.		(150,917.049)		(52,857.800)		(42,206.400)		(99,064.600)
25.		2,059,360.363		848,313.000		1,126,433.000		1,009,881.000
26.	ADV PROCUREMENT	203,774.849		70,344.000		70,927.000		48,428.000
27.		2,263,135.212		918,657.000		1,197,360.000		1,058,309.000
28.	INITIAL SPARES	110,900.000		70,592.000		133,946.000		232,899.000
29.	PROCUREMENT COST	2,374,035.212		989,249.000		1,331,306.000		1,291,208.000

#### Notes:

<sup>\*</sup> FY01 and FY02 Unit Cost columns show the true unit cost values. The Total Cost columns show the funding of engines for 16 a/c in FY 01 to be used for 9 FY01 aircraft and 7 FY02 aircraft, and funding in FY 02 of engines for 5 a/c.

<sup>\*\*</sup> Line 22 represents supplemental rescission of \$235M and an APN-5 reprogramming of \$35M for a net reduction of \$270M. This rescission reduced the number of aircraft quantity to 9.

**UNCLASSIFIED** 

BUDGET PROCUREM	TENT HISTO	ORY AND	PLANNING EXHIBIT	T (P-5A)		Weapon System		A. DATE		
						V-22			<b>JUNE 2001</b>	
B. APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NOI	MENCLATURE			SUBHEAD	
Aircraft Procurem	ent, Navy	/ BA-1 -	Combat Aircraf	ťt	LI 5/V	-22			AP: U1C Reg: U1C	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE
Airframe:										
FY2000 Airframe	11	\$63.5	NAVAIR	Mar-99	SS/ FPIF	Bell-Boeing, Patuxent River, MD.	Apr 00	Jan 02	Yes	N/A
FY2000 Adv Procurement			NAVAIR	Mar-00	SS/AAC	Bell-Boeing, Patuxent River, MD.	Jun 00		Yes	N/A
FY2001 Airframe	9	\$66.6	NAVAIR	Mar-00	SS/FPIF	Bell-Boeing, Patuxent River, MD.	Dec 01	Feb03	Yes	N/A
FY2001 Adv Procurement			NAVAIR	Jun-01	SS/AAC	Bell-Boeing, Patuxent River, MD.	Jun 01		Yes	N/A
FY2002 Airframe	12	\$66.3	NAVAIR	Jun-01	SS/FPIF	Bell-Boeing, Patuxent River, MD.	Dec 01	Jan 04	Yes	N/A
FY2002 Adv Procurement			NAVAIR	Jan-01	SS/AAC	Bell-Boeing, Patuxent River, MD.	Jan 02		Yes	N/A
D. REMARKS										

D. REMARKS

**UNCLASSIFIED** 

BUDGET PROCURE	EMENT HISTO	ORY AND F	PLANNING EXHIBI	T (P-5A)		Weapon System		A. DATE		
						V-22			<b>JUNE 2001</b>	
B. APPROPRIATION/BUDG					C. P-1 ITEM NO	MENCLATURE			SUBHEAD	
Aircraft Procure	ment, Navy	/ BA-1 -	<b>Combat Aircraf</b>	t	LI 5/V-22				AP: U1C	V
									Reg: U1C	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE
Engine:										
FY2000 Engine	22	\$1.9	NAVAIR	Dec 95	SS/FFP	Rolls Royce Indianapolis, IN	Nov 99	May 01	Yes	TBD
FY2001 Engine	18	\$1.8	NAVAIR	Dec 95	SS/FFP	Rolls Royce Indianapolis, IN	Nov 00	Jun02	Yes	TBD
FY2002 Engine	24	\$1.8	NAVAIR	Dec 95	SS/FFP	Rolls Royce Indianapolis, IN	Nov 01	May03	Yes	TBD
D. REMARKS								<u> </u>		

P-1 SHOPPING LIST

ITEM NO. 5

PAGE NO. 4

FY 2002 PRESIDENT'S BUDG	ET PR	ODUC	CTION	SCH	EDUL	E, P	-21											DATE				2001								
APPROPRIATION/BUDGET AC Aircraft Procurement, Na			Comb	oat A	ircra	ft							Wea	pon <b>V-2</b>						LI	5/V	ENC <b>'-22</b>			E					
							Pro	duct	ion l	Rate							emer	nt Le	adti	mes										
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Airframe		Boeing		ИD		1	2	3	2	44	4		5			9			35			30			39			Ea	ach	
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ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	O C T	2000 N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	01 S E P	O C T	N O V	D E C	J A N	F E B	M A R	A A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Airframe (Lot II)	98	М	7	5	2			1*	1*																					
Airframe (Lot III)	99	М	7	0	7						1*	1*	1*	1*		1**	1**	1**												0
Airframe (Lot IV)	00	М	11	0	11																1	1	1	1		1	1	1	1	3
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ITEM / MANUFACTURER	F	s	Q	D	В		2002			FISC	CAL Y	EAR		UD A D	YEAF	2 20	U3				1	FIS		YEAR	2004 OAR Y		2004			
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Airframe (Lot IV)	00	М	11	8	3	1		1	1																					0
Airframe (Lot V)	01	М	9	0	9					1	1	1	1		1	1	1	1	1											0
Airframe (Lot VI)	02	М	12	0	12																1	1	1	1	1		2	1	1	3

<sup>\*</sup>Aircraft are assembled but have not completed ground or flight operations. Therefore, they have not been delivered to the Dept of Navy.

<sup>\*\*</sup>It is anticipated that these aircraft will finish assembly in these months; however, they will not be delivered until ground and flight operations are complete.

FY 2002 PRESIDENT'S BUDG			TION	SCHE	DULE	, P-	21											DATE				NE 2								
APPROPRIATION/BUDGET AC Aircraft Procurement, Nav													Wea		n Sys				ITE LI 6/	V-22	2	ENC	LAT	ΓURI	E					
							Pro	duct	ion I	Rate					Pro	cure	eme	nt Le	eadti	mes	5									
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Airframe		Boeing cent R		ИD		1	2	3	2	4	4		5			9			3	5		30			39	١		Eac	h	
																													<u> </u>	<u> </u>
ITEM / MANUFACTURER	F	S	Q	D	В		2003		F	ISCAL	YEA			NDAR	YEAR	R 200	04					FISC		/EAR		EAR 2	2005			
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Airframe (Lot VI)	02	М	12	9	3	1	1	1																						0
ITEM / MANUFACTURER	F	s	Q	D	В		203			FISC	CAL Y	EAR		JIDAD	YEAF	2 200	16					FISC		/EAR		EAR 2	2007			
1,211, 111, 110, 101, 121,	Y	V C	T	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P	M A Y	J U N	J U L	A U G	S E P	B A L
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ne Co. IN  Q D T E Y L	B A L	O C	1999 N			88	3	to (	Oct 1		Oct		M	fg PL		Mf	g Pl				ıl		Meas	sure
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

311/244 ITEM NO 5 PAGE 7 Exhibit P-21 Production Schedule

FY 2002 PRESIDENT'S BUD APPROPRIATION/BUDGET A	GET PRO	ODUC	TION	SCHE	DULE	, P-	21						Mod	nor	n Sys	rtom		DATE			NE 2									
Aircraft Procurement, N	avy B	A-1 -	Com	bat A	Aircra	aft							vve	- <b>2</b> 2	2				ITE	LI	5/V-		LAI	UKI						
ltem			nufactu and L		n	М	Prod	EC		Rate MA	λX		T Pi		AL	Cure T Af Oct	ter		eadti Initia fg Pl	ıl	R	eord fg P			Tota	al		Uni Mea		
Engine		n Eng	ine Co s, IN	).						88	3		5			1			28			17			18			Ea	ch	
									FIS	SCAL Y	YEAR	200	4									FISC	CAL Y	'EAR	2005					
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	O C T	2003 N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Engine	2	М	24	10	14		4	2	2	2	2	2																		0
																		**********			****			***********************						
ITEM / MANUFACTURER	F	s	Q	D	В		2005			FISC	AL YE			NDAR	YEAR	200						FISC		(EAR			2007			
	Y	V C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J J	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

### **UNCLASSIFIED**

		BUE	GET ITEM	JUSTIFICA <sup>-</sup>	TION SHEE	Γ			DATE:			
			P-40	)						June 2001		
APPROPRIATION/BL	JDGET ACTIVIT	Y					P-1 ITEM NO	MENCLATURI				
Aircraft Procuren	nent, Navy/ C	ombat /	Aircraft, (B <i>A</i>	\-1)			LI6/V-22 A	dvance Pro	curement			
Program Element for	Code B Items:						Other Related	Program Eler	nents			
0604262N							1110011f/P	roj 643752,	1160404BB	B/Proj 6437	52	
	Prior	ID									То	
	Years	Code	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Complete	Total
COST (In Millions)	\$203.775	В	\$70.344	\$70.927	\$48.428							

#### MISSION AND DESCRIPTION:

The V-22 is a tilt-rotor, vertical takeoff and landing aircraft being developed for joint service application. The program is being designed to provide an aircraft to meet the amphibious/vertical assault needs of the Marine Corps, the strike rescue needs of the Navy, and supplement USSOCOM special mission aircraft. The aircraft will be capable of flying 2,100 miles with one refueling, giving the Services the advantage of a Vertical/Short Takeoff and Landing (V/STOL) aircraft that could rapidly self-deploy to any location in the world.

#### **BASIS FOR FY 2002 BUDGET REQUEST:**

Airframe/CFE requirements are calculated on a termination liability basis, reflecting contractor's funding requirements for procurement of long lead parts and materials necessary to protect the delivery schedule. Other government furnished equipment (GFE) requirements are determined on a fully funded basis.

P-1 SHOPPING LIST DD Form 2454, JUN 86

ITEM NO. 6 PAGE NO. 1 **CLASSIFICATION:** 

Exhibit P-10 Advance	e Procure	ment Rec	quirement	s Analysis			Date:						
(Page 1 - Funding)								June 2001					
Appropriation (Treas) Aircraft Procurement								tem Nomencla Advance Pro					
Weapon System	V-22			First System FY2001 Ad	, ,		Y02 Produ	ction: Jun 01	Interval Be	tween Systen	ns		
				FY2002 Re	gular Prod	uction : De	c 01			1 Month			
						(\$ :	in Millions	)					
	BY1 PLT	1	Prior Years	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	To Complete	Total
End Item Qty			19	11	9	12							
CFE - Airframe TL	30	4-Jan	193.716	67.782	70.801	48.248							
GFE - Engine			8.281										
EOQ													
GFE - Other *	Var	Var	1.778	2.562	0.126	0.180							
Total AP			203.775	70.344	70.927	48.428							
CFE Airframe													
For FY01				39.644									
For FY02				28.138	70.801								
D '.'													

#### Description:

Airframe/CFE requirements are calculated on a termination liability basis, reflecting contractor's funding requirements for procurement of long lead parts and materials necessary to protect the delivery schedule. Other government furnished equipment (GFE) requirements are determined on a fully funded basis.

\*Includes ADF Antenna, AN/APN-194 RADALT Antenna, AN/ARN-147 Antenna, and External Power Monitor (Leadtime is 27-32 Months)

Exhibit P-10 Advance Procurement Requirements Analysis						Date:			
(Page 2 - Budget Justification)						June 2001			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number					Weapon System		P-1 Line Item Nomenclature		
Aircraft Procurement, Navy/APN-1, Tilt-Rotor Aircraft (BA-1)				V-22		LI 6/ V-22 Advance Procurement			
(TOA, \$ in Millions)									
FY 2002		FY2002	FY 2002	FY 2002	FY 2002	FY 2003	FY2003	FY2003	
		UNIT	For FY 2003	Contract	<b>Total Cost</b>		Contract	Total Cost	
PLT	QPA	COST	Qty	Forecast Date	Request	For FY 2004 Qty	Forecast Date	Request	
			- •		-			•	
30		TL	TBD	Jan-02	48.2				
27-32		Various			0.2				
					48.4				
)	ation) ) Code/CC/ //APN-1, Tile  FY 2002  PLT  30	ation) ) Code/CC/BA/BS //APN-1, Tilt-Rotor A  FY 2002  PLT QPA  30	ation) ) Code/CC/BA/BSA/Item Con //APN-1, Tilt-Rotor Aircraft (BA-I  FY 2002 FY2002 UNIT PLT QPA COST  30 TL	ation) ) Code/CC/BA/BSA/Item Control Number v/APN-1, Tilt-Rotor Aircraft (BA-1)  (FY 2002 FY 2002 FY 2002 UNIT For FY 2003 PLT QPA COST Qty  30 TL TBD	ation) O Code/CC/BA/BSA/Item Control Number O/APN-1, Tilt-Rotor Aircraft (BA-1)  FY 2002  FY 2002  FY 2002  FY 2002  UNIT  For FY 2003  Contract  PLT  QPA  COST  Qty  Forecast Date  30  TL  TBD  Jan-02	ation) ) Code/CC/BA/BSA/Item Control Number //APN-1, Tilt-Rotor Aircraft (BA-1)  FY 2002  FY 2002  FY 2002  UNIT  For FY 2003  PLT  QPA  COST  Qty  Forecast Date  Request  30  TL  TBD  Jan-02  48.2  27-32  Various  0.2	Code/CC/BA/BSA/Item Control Number   Weapon System   V-22	Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Superation   Sup	

### Description:

Advance Procurement requirements support MYP, and termination liability required to procure long lead parts and material necessary to build component systems for t V-22 aircraft. GFE is fully funded.

\*Includes ADF Antenna, AN/APN-194 RADALT Antenna, AN/ARN-147 Antenna, and External Power Monitor (Leadtime is 27-32 Months)

P-1 Shopping List

Item No. 6

Page No. 3

# **UNCLASSIFIED**

			В	UDGET ITE	M JUSTIFI	CATION SI	HEET					DATE:	
					P-40							JUNE 200	1
APPROPRIATION/BUD	GET ACTIVITY							P-1 ITEM NO	DMENCLATU	RE			
Aircraft Procuremen	t, Navy										AH-1W SE	EA COBRA	
Program Element for Co	de B Items:							Other Relate	d Program El	ements			
	Prior Years	ID Code	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Program
QUANTITY	258	Α										,	
Net P-1 Cost (\$M)	1,492.298			1.943	2.430	1.383							
Advance Proc (\$M)	48.974												
Wpn Sys Cost (\$M)	1,541.271			1.943	2.430	1.383							
Initial Spares (\$M)	100.462												
Proc Cost (\$M)	1,641.733			1.943	2.430	1.383							
Unit Cost (\$M)	6.000												

#### Description:

MISSION: THE AH-1W IS A HELICOPTER GUNSHIP WHOSE MISSION IS THE ENROUTE ESCORT AND PROTECTION OF TROOP ASSAULT HELICOPTERS, LANDING ZONE PREPARATION IMMEDIATELY PRIOR TO THE ARRIVAL OF ASSAULT HELICOPTERS, LANDING ZONE FIRE SUPPRESSION DURING THE ASSAULT PHASE, AND FIRE SUPPORT DURING GROUND ESCORT OPERATIONS. THE AH-1W HAS ADDITIONALLY BEEN TASKED WITH THE MISSION OF ENEMY ARMOR DESTRUCTION, WHICH REQUIRES OPERATIONS BOTH AT SEA LEVEL AND IN HIGH/HOT ENVIRONMENTS. THIS MISSION HAS REQUIRED THE INCORPORATION OF THE HELLFIRE MISSILE SYSTEM PLUS THE INCORPORATION OF THE IMPROVED T700-GE-401 ENGINES.

DESCRIPTION: THE AH-1W IS A TANDEM SEAT, TWO PLACE (PILOT AND GUNNER/CO-PILOT) ATTACK HELICOPTER DESIGNED AND BUILT TO PROVIDE HIGH SPEED AND MANEUVERABILITY REQUIRED BY THE ATTACK MISSION. THE ARMAMENT OF THE AH-1W INCLUDES THE SIDEWINDER, TOW AND THE HELLFIRE MISSILE SYSTEMS, A CHIN-MOUNTED 20 MM TURRET GUN, AND WIDE VARIETY OF FORWARD FIRING AND DROPABLE EXTERNAL STORES. NIGHT TARGETING SYSTEM (NTS) PROVIDES A NIGHT/ADVERSE WEATHER TOW AND AUTONOMOUS HELLFIRE CAPABILITY. NTS ALSO PROVIDES ENHANCED CONVENTIONAL WEAPONS DELIVERY BY UTILIZING THE SYSTEMS LASER RANGING SYSTEM.

BASIS FOR REQUEST: FUNDING IS REQUESTED FOR FY 2002 TO FINANCE NON-RECURRING EFFORTS ASSOCIATED WITH PRODUCTION SHUTDOWN.

P-1 SHOPPING LIST

ITEM NO PAGE NO

**UNCLASSIFIED** 

CLASSIFICATION:

7

DD Form 2454, JUN 86

AIRCRAFT COST ANALYSIS

Aircraft model: AH-1W SEA COBRA

P-5 Cost Sheet

Date: June 2001

\$ in thousands

				1999	FY 2	2000		2001	FY 20		FY 20	003
		Prior Years	Qty:									
		Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1	Airframe CFE	822,293,792										
2	CFE Electronics											
3	GFE Electronics	39,388,071										
4	Engines/Eng Acc	152,604,763										
5	Armament	130,653,772										
6	Other GFE	13,683,912										
7	Rec Flyaway ECO	5,650,597										
8	Rec Flyaway Cost	1,164,274,907										
0	Non-Recur Cost	EC 000 470				606.060		4.455.000		E80 000		
9 10	Ancillary Equip	56,863,470				686,968		1,155,000		580,000		
11	Ancillary Equip											
12	Total Flyaway	1,221,138,377				686,968		1,155,000		580,000		
		, ,, ,				,		,,,,,,,,,		,		
13	Airframe PGSE	55,993,114										
14	Engine PGSE	4,933,105										
15	Avionics PGSE	17,938,313										
16	Pec Trng Eq	85,699,255										
17	Pub/Tech Eq	34,578,303										
18	Fac Mgmt/Fld Act	60,260,271				1,256,032		1,275,000		803,000		
19	ILS/Rel Dem	15,895,596										
20	Other	44,835,045										
21	Support Cost	320,133,002				1,256,032		1,275,000		803,000		
22	Gross P-1 Cost	1,541,271,379				1,943,000		2,430,000		1,383,000		
23	Adv Proc Credit	(48,973,769)				1,943,000		2,430,000		0		
24	Net P-1 Cost	1,492,297,610				1,943,000		2,430,000		1,383,000		
25	Adv Proc CY	48,973,769				1,943,000		2,430,000		0		
26	Weapon System Cost	1,541,271,379				1,943,000		2,430,000		1,383,000		
27	Initial Spares	100,462,030				1,943,000		2,430,000		0		
28	Procurement Cost	1,641,733,409				1,943,000		2,430,000		1,383,000		
20	i iocurement cost	1,041,733,408				1,343,000		2,430,000		1,303,000		

P-1 SHOPPING LIST ITEM NO PAGE NO 7

2

#### AIRCRAFT COST ANALYSIS P-5 Cost Sheet

Date: June 2001

Aircraft model: AH-1W SEA COBRA

\$ in thousands

FY 2007 FY 2004 FY 2005 FY 2006 To Qty: Qty: Qty: Complete **TOTAL** Qty: Total Cost Unit Cost Unit Cost Total Cost Unit Cost Total Cost Unit Cost Total Cost Cost **COST** 

- Airframe CFE 1
- **CFE Electronics** 2
- 3 **GFE Electronics**
- Engines/Eng Acc
- 5 Armament
- Other GFE 6
- Rec Flyaway ECO 7
- Rec Flyaway Cost 8
- 9 Non-Recur Cost
- Ancillary Equip 10
- 11
- 12 Total Flyaway
- 13 Airframe PGSE
- Engine PGSE 14
- 15 Avionics PGSE
- 16 Pec Trng Eq
- Pub/Tech Eq 17
- 18 Fac Mgmt/Fld Act
- 19 ILS/Rel Dem
- 20 Other
- Support Cost
- Gross P-1 Cost 22
- 23 Adv Proc Credit
- Net P-1 Cost 24
- Adv Proc CY
- Weapon System Cost 26
- Initial Spares 27
- **Procurement Cost**

P-1 SHOPPING LIST

ITEM NO PAGE NO 7

3

# **UNCLASSIFIED**

			BUDGE	T ITEM JU		ON SHEET	-				DATE:	
				F	P-40						June 2001	
APPROPRIATION/BUDGET	T ACTIVITY						P-1 ITEM NC	MENCLATUR	RE			
Aircraft Procurement, N	Navy/BA 1						SH-60R					
Program Element for Code I	B Items:						Other Related	d Program Ele	ements			
PE 0204243N												
	Prior	ID									То	Total
	Years	Code	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Complete	Program
QUANTITY		В	7	0	0							
Net P-1 Cost (\$M)		В	223.788	209.417	25.064							
Advance Proc (\$M)		В										
Wpn Sys Cost (\$M)		В	223.788	209.417	25.064							
Initial Spares (\$M)		В	12.263									
Proc Cost (\$M)		В	236.051	209.417	25.064							
Unit Cost (\$M)		В	33.722									

### Description:

DD Form 2454, JUN 86

Mission Description: The Block II Upgrade improves the capability of the LAMPS MK III Weapons System to provide battle group protection and to add significant capability in coastal littorals and regional conflicts. The Block II Upgrade represents a significant avionics modification to the H-60 series helicopters by enhancing primary mission areas of Undersea Warfare (USW) and Surface Warfare (SUW). Airborne Low Frequency Sonar (ALFS) will be added to enhance the existing acoustic suite. An added Multi-Mode Radar (MMR) includes an Inverse Synthetic Aperture Radar Mode (ISAR) (permits stand-off classification of hostile threats). An improved Electronics Surveillance Measures system (ESM) will enable passive detection and targeting of radar sources not currently detectable. FY 00 through FY 02 reflects remanufacture of SH-60R.

Basis for Request: This request provides FY02 funding to support completion of SH-60R remanufacture and transition to a new production strategy.

Note: FY 01 procurement cost of \$209.417 includes \$156.201 being reprogrammed. This action supports changes to the program acquisition strategy from remanufacture to new production.

P-1 SHOPPING LIST

ITEM NO 8

PAGE NO 1

CLASSIFICATION:

**UNCLASSIFIED** 

AIRCRAFT COST ANALYSIS

Aircraft model: SH-60R

P-5 Cost Sheet

Date: June 2001

\$ in thousands

			F\	<b>/</b> 2000	FY 200	01	FY 2	2002	FY 20	003
		Prior Years	Qty:	7	Qty:		Qty:		Qty:	
		Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1	Airframe CFE		22,961.280	160,728.963						
2	Engines/Eng Acc									
3	CFE Electronics									
4	GFE Electronics		1,667.405	11,671.832						
5	Armament									
6	Other GFE									
7	Rec Flyaway ECO		721.804	5,052.628						
8	Rec Flyaway Cost		25,350.489	177,453.423						
9	Non-Recur Cost			13,888.441		35,516.000		16,535.879		
10	Ancillary Equip			5,900.000		8,000.000		6,528.121		
11										
12	Total Flyaway		28,177.409	197,241.864		43,516.000		23,064.000		
13	Airframe PGSE									
14	Engine PGSE									
15	Avionics PGSE			3,708.978						
16	Pec Trng Eq			1,440.783						
17	Pubs/Tech Data									
18	Weapons System			6,737.759						
19	Field Activties			9,948.288		9,700.000		2,000.000		
20	ILS/LSA/MES			4,710.327						
21										
22	Support Cost			26,546.135		9,700.000		2,000.000		
*	Reserved for Reprogramming					156,201.000				
23	Gross P-1 Cost			223,788.000		209,417.000		25,064.000		
24	Adv Proc Credit									
25	Net P-1 Cost			223,788.000		209,417.000		25,064.000		
26	Adv Proc CY									
27	Weapon System Cost			223,788.000		209,417.000		25,064.000		
28	Initial Spares			12,263.000						
29	Procurement Cost			236,051.000		209,417.000		25,064.000		
				D 1 SHODDING I IS	т					

P-1 SHOPPING LIST

ITEM NO 8

PAGE NO 2

CLASSIFICATION: UNCLASSIFIED

<b>BUDGET PROCURE</b>	EMENT HISTO	ORY AND F	PLANNING EXHIBI	T (P-5A)		Weapon System		A. DATE		
						SH-60R Remanufacture			June	2001
B. APPROPRIATION/BUDG	ET ACTIVITY				C. P-1 ITEM NO	MENCLATURE			SUBHEAD	
Aircraft Procurem	ent, Navy/E	3A 1				SH-60R			U1SH	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE
Airframe/FY00	7	22,961	NAVAIR	OCT 99	SS/CPIF SS/CPIF	Lockheed Martin/Owego,NY Sikorksy Aircft/Stratford,CT	MAR 00	JAN 02	YES	N/A
D. REMARKS						1				

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 8 PAGE NO. 3

	Namu facturer's   Name and Location   MSR   ECON   MAX   to Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1   Oct 1																													
APPROPRIATION/BUDGET AC	TIVITY	/											Wea	apor	า Sy:	stem	)	P-1	ITE	ΜN	OM	ENC	LA	ΓUR	E					
Aircraft Procurement, Navy/BA1																														
							Pro	ducti	ion F	Rate																				
																											1	Un	it of	
ltem						M		EC				to		: 1	1		1			LT	M		LT			l	<u> </u>	Mea	sure	)
Airframe/Avionics							6		30		30		12			5			23			23			28		<u> </u>	Е		
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Airframe/Avionics	00	N	7	0	7				1	1							1		1		1	1		1						0
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				_				FIS	SCAL	YEAR						004					SCAL						20	005		
ITEM / MANUFACTURER							2003					ALEN ■	DAR '	YEAR	} ■	1			2004				ALEN	IDAR ∎	YEAR			20	05	В
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST
311/244 ITEM NO 8 PAGE 4

# **UNCLASSIFIED**

	•		BUDGET	ITEM JU	STIFICAT	ION SHE	ET			•	DATE:	•
				F	P-40						June	2001
APPROPRIATION/BU	DGET ACTI	VITY			P-1 ITEM N	OMENCLA	TURE					
Aircraft Procureme	ent, Navy/B	8A-1, C	ombat Air	craft			E-2C (M)	(P)				
Program Element for 0	Code B Items	3:			Other Rela	ted Progran	n Elements					
	Prior	ID									То	Total
	Years	Code	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Complete	Program
QUANTITY	18	Α	3	5	5							
Net P-1 Cost (\$M)	1,187.406		209.369	247.251	242.746							
Advance Proc (\$M)	350.902		171.895	67.458	36.191							
Wpn Sys Cost (\$M)	1,538.308		381.264	314.709	278.937							
Initial Spares (\$M)	31.298		11.218	16.980	21.711							
Proc Cost (\$M)	1,569.606		392.482	331.689	300.648							
Unit Cost (\$M)	77.437		130.827	66.338	60.130							

#### Description:

The E-2C Hawkeye is an all weather, carrier-based, airborne early warning and command and control aircraft. It extends task force defense perimeters providing early warning of approaching enemy units and by vectoring interceptors into attack position. Additionally, the Hawkeye provides strike control, radar surveillance, search and rescue assistance, communications relay and automatic tactial data exchange.

Previously the Navy had planned to upgrade the older Group 0 E-2Cs to the Group II configuration in lieu of continued production. Economic analyses, however, shows that it is more cost effective to procure new aircraft than to upgrade old aircraft.

Non-recurring for a new propeller qualification is included in this budget.

#### Basis for Request

The FY2002 budget requests funds for procurement of five (5) aircraft and support. It is part of a multiyear procurement (MYP) of 21 airframes and 42 engines starting in FY99 and ending in FY03 which is fully funded in each year under a single five year firm fixed price contract. These 21 airframes and 42 engines buy out the remaining E-2C inventory requirement.

AIRCRAFT MODEL: E-2C POPULAR NAME: HAWKEYE MANUFACTURER: NORTHROP GRUMMAN

ITEM	PRIOR YEARS Total Cost	MULTIYEAR FY00 Unit Cost	MULTIYEAR 3 Total Cost	MULTIYEAR FY01 Unit Cost	MULTIYEAR 5 Total Cost	MULTIYEAR FY02 Unit Cost	MULTIYEAR 5 Total Cost	MULTIYEAR FY03 Unit Cost	MULTIYEAR 5 Total Cost	FY04 Unit Cost	0 Total Cost
1. Airframe/CFE	671,262.522	39,507.521	118,522.562	36,676.464	183,382.318	37,370.228	186,851.139				
<ol><li>CFE Mission Electronic</li></ol>	392,638.620	19,169.761	57,509.284	17,796.081	88,980.406	18,132.708	90,663.541				
<ol><li>GFE Electronics</li></ol>	40,811.082	7,366.491	22,099.473	7,484.726	37,423.629	10,905.179	54,525.897				
<ol><li>Engines/Acces</li></ol>	107,208.855	5,549.978	16,649.933	5,081.798	25,408.989	5,273.434	26,367.172				
<ol><li>Armanent</li></ol>	0.000	0.000	0.000	0.000	0.000	0.000	0.000				
<ol><li>Other GFE</li></ol>	4,420.081	365.330	1,095.989	370.530	1,852.651	377.277	1,886.384				
Subtotal GFE	152,440.019	13,281.798	39,845.395	12,937.054	64,685.269	16,555.891	82,779.453				
<ol><li>Rec Flyaway ECO</li></ol>	0.000	0.000	0.000	0.000	0.000	0.000	0.000				
<ol><li>Recurr Flyaway Cost</li></ol>	1,216,341.161	71,959.080	215,877.241	67,409.599	337,047.993	72,058.827	360,294.133				
9. Nonrecurring Cost	22,731.079		6,963.458		1,362.916		0.000				
10. Ancillary Equipment	0.000		0.000		0.000		0.000				
11.	0.000		0.000		0.000		0.000				
12. Total Flyaway Cost	1,239,072.240	74,280.233	222,840.699	67,682.182	338,410.910	72,058.827	360,294.133				
3											
<ol><li>13. Airframe PGSE</li></ol>	12,720.920		2,597.128		2,326.230		2,320.067				
<ol><li>14. Engine PGSE</li></ol>	91.000		0.000		0.000		0.000				
<ol><li>Avionics PGSE</li></ol>	2,149.093		221.324		198.238	4,941,524.000	197.713				
<ol><li>Pec Training Equipm</li></ol>	10,888.985		1,468.460		1,315.289		1,311.805				
<ol><li>Pubs/Tech Data</li></ol>	9,527.614		1,893.739		1,696.209		1,691.715				
<ol><li>Production Support</li></ol>	83,302.149		15,803.650		14,799.123		18,688.568				
19.	0.000		0.000		0.000		0.000				
20.	0.000		0.000		0.000		0.000				
21. Support ECO	0.000		0.000		0.000		0.000				
22. Support COST	118,679.761		21,984.301		20,335.090		24,209.867				
23. GROSS P-1 COST	1,357,752.001		244,825.000		358,746.000		384,504.000				
24. ADV PROC CREDIT	-170,346.000		-35,456.000		-111,495.000		-141,758.000				
25. NET P-1 COST	1,187,406.001		209,369.000		247,251.000		242,746.000				
26. ADV Procurement	350,902.000		171,895.000		67,458.000		36,191.000				
27. Weapon System Cos			381,264.000		314,709.000		278,937.000				
28. Initial Spares	31,298.000		11,218.000		16,980.000		21,711.000				
29. Procurement Cost	1,569,606.001		392,482.000		331,689.000		300,648.000				

**UNCLASSIFIED** 

BUDGET PROCURE	MENT H	ISTORY A	ND PLANNING E	XHIBIT (P-5A)		Weapon System		A. DATE		
						E-2C HAWKEYE			June 2001	
B. APPROPRIATION/BUDG					C. P-1 ITEM NO	OMENCLATURE			SUBHEAD	
Aircraft Procuren	nent, Na	ıvy/BA-1,	Combat Aircr	aft		E-2C HAWKEYE (M	IYP)		Y1	A1
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE
Airframe										
2000 Regular (Multi Year)		58.677.29	NAVAIR		SS FFP/MYP	Northrop Grumman St. Augustine, Fl	Dec 99	Jul 02	Yes	N/A
Advance (EOQ for MYI (FY 00 for FY 01, 02, 0	<i>'</i>	T/L		12/1/98	AAC/MYP		Dec 99			
2001 Regular (Multi Year)	5	54,472.54	NAVAIR		SS FFP/MYP	Northrop Grumman St. Augustine, FI	Jan 01**	Mar 03	Yes	N/A
Advance (EOQ for MYI (FY 01 for FY 02, 03)	P)	T/L		12/1/98	AAC/MYP		Jan 01**	; 		
2002 Regular (Multi Year)		55,502.94	NAVAIR		SS FFP/MYP	Northrop Grumman St. Augustine, Fl	Dec 01	Mar 04	Yes	N/A
Advance (EOQ for MYF (FY 02 for FY 03)	?)   	T/L		12/1/98	AAC/MYP		Dec 01			

# D. REMARKS

<sup>\*\*\*</sup>Represents full funding of FY 01 MYP requirements .

# **UNCLASSIFIED**

BUDGET PROCUR	REMENT H	HISTORY	AND PLANNING	G EXHIBIT (P-5A	<b>N</b> )	Weapon System		A. DATE		
_						E-2C HAWKEYE			June 2001	
B. APPROPRIATION/BUD	GET ACTIVIT	Υ			C. P-1 ITEM NO	OMENCLATURE			SUBHEAD	
Aircraft Procurer	ment, Na	avy/BA-1	, Combat Airc	craft		E-2C HAWKEYE (M	1YP)		Y1	A1
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE
<u>Engines</u>										
2000 Regular	6*	2,100.00	NAVAIR		SS FFP/MYP	Allison Indianapolis, IN	Mar 00	Dec 01	Yes	N/A
Advance (EOQ for MY (FY 00 for FY 01, 02,	,	T/L		2/28/99	AAC/MYP		Mar 00			
2001 Regular	10*	2,100.00	NAVAIR		SS FFP/MYP	Allison Indianapolis, IN	Apr 01	Aug 02	Yes	N/A
Advance (EOQ for M\((FY 01 for FY 02, 03))	. '	T/L		2/28/99	AAC/MYP	,	Apr 01			
2002 Regular	10*	2,100.00	NAVAIR		SS FFP/MYP	Allison Indianapolis, IN	Dec 01	Aug 03	Yes	N/A
Advance (EOQ for MY (FY 02 for FY 03)	(P)	T/L		2/28/99	AAC/MYP	, , , , , , , , , , , , , , , , , , ,	Dec 01			
										N/A
D DEMARKS										

#### D. REMARKS

<sup>\*</sup>Quantity is 2 per aircraft.

FY02/03 DON BUDG	ET P	ROD																DAT	Έ				Jur	ne 2	2001					
APPROPRIATION/BU	DGE	T AC	TIVIT	ΓΥ								1	Nea	por	า Sy	ste	m	P-1	ITE	ΞM	NO	ΜE	NCI	LAT	UR	Е				
Aircraft Procurement,	Navy/	/BA-1	, Coi	mbat	Aircr	aft						E	<b>-20</b>	H/	۱W	<b>(EY</b>	Έ				E	-20	C F	ł۸۱	NΚ	EY	Ε			
						F	Prod	duct	tion	Rat	te			F	Proc	ure	mei	nt L	ead	ime	es									
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Airframe	Nort	hrop	Grun	nman	)	4	4	6	3	8	3		6			3						38			41			Е		
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A						O N D J F M C O E A E A				К	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Y	N	L	G	Р			
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						C T	0	E	A N	В	A R	P R	A	U	U L	U	E P	C T	0 V	E C	A N	E B	A R	P R	A	U	U L	U	E P	L
Airframe (Cont.)	00	N	3	1	2	1			1											-									H	0
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\*REMARKS: The fourth FY98 aircraft was added to the budget substantially after the FY98 procurement was awarded. This contract was definitized before the fourth aircraft was added to the budget. Given the timing, this aircraft was placed on contract in conjunctio with the FY99 aircraft (under an Advance Acquisition Contract (AAC) awarded in early FY98. This aircraft is considered (for delive purposes) as an FY99 aircraft.

DD Form 2445, JUL 87

P-1 Shopping List - Item No 9-5

Page No. Exhibit P-21, Production Schedule (Exhibit P-21, page 1 of 3)

FY02/03 BUDGET P					DULI	E, P	-21											DAT	E					Jur	ne 2	001				
APPROPRIATION/BU													Vea					P-1	ITE	ΞM				_AT			_			
Aircraft Procurement,	Navy/	/BA-1	I, Co	mbat	Aircr							E	-2C					) - +   .	d	tion o		<b>:-2</b>	CF	IA۱	٧K	ΕY	E			
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							FISCAL YEAR 2005  2004 CALENDAR YEAR 2005													FISC	AL Y	EAR	200	6						
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Airframe (Cont.)	02	N	5	2	3		O E A E A P A U L V C N B R R Y N L																						0	
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	ĺ									FISC	AL Y	EAR	2007	7								FISC	CAL Y	EAR	2008	3				
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Airframe (Cont.)																														

FY02/03 DON BUDGET F				CHE								DAT							าe 2											
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Aircraft Procurement, Nav	y/BA-1	, Cor	nbat	Aircra	aft							Е	-2C		W							<b>E-2</b>	C F	IA۱	WK	EY	<u>E</u>			
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Engines (Cont.)	01	N	10	0	10	2			2		2			2										t						0
	02	N	10	0	10											2		2					2		2		2			0
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P-1 Shopping List - Item No 9-7

								DATE:				
						June 200	1					
APPROPRIATION/BUD	GET ACTIVIT	Y				P-1 ITEM NO	MENCLATURI	Ē				
Aircraft Procureme	ent, Navy/ Co	ombat A	Aircraft, (BA	\-1)				E-2C Adva	ance Procu	rement (MY	P)	
Program Element for Co	ode B Items:					Other Related	Program Eler	nents				
	PPROPRIATION/BUDGET ACTIVITY  ircraft Procurement, Navy/ Combat Aircraft, (BA-1)  rogram Element for Code B Items:  Prior ID Years Code FY 2000 FY 2001											
	P-40  ROPRIATION/BUDGET ACTIVITY  craft Procurement, Navy/ Combat Aircraft, (BA-1)  ram Element for Code B Items:  Prior ID Years Code FY 2000 FY 2001										То	
	Years	Code	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Complete	Total
	PROPRIATION/BUDGET ACTIVITY  rcraft Procurement, Navy/ Combat Aircraft, (BA-1)  ogram Element for Code B Items:  Prior ID Years Code FY 2000 FY 200											
COST												
(In Millions)	350.902	Α	171.895	67.458	36.191	0.000	0.000	0.000	0.000	0.000	0.000	626.446

#### **MISSION AND DESCRIPTION:**

The E-2C Hawkeye is an all weather, carrier-based, airborne early warning and command and control aircraft. It extends task force defense perimeters by providing early warning of approaching enemy units and by vectoring interceptors into attack position. Additionally, the Hawkeye provides strike control, radar surveillance, search and rescue assistance, communications relay and automatic tactical data exchange.

#### **BASIS FOR FY 2002 BUDGET REQUEST:**

This line item funds long-lead requirements for the FY2002 E-2C production program. The MYP EOQ Airframe/CFE and Engine requirements are calculated on a termination liability basis, reflecting contractor's funding requirements for procurement of long-lead parts and materials necessary to protect the delivery schedule. Other government furnished equipment (GFE) requirements are determined on a fully funded basis, procuring the long-lead quantity needed to protect the production schedule.

Exhibit P-10, Advance Procurement Requ	irements Ana	lysis				Date:							
(Page 1 - Funding)							June 01						
Appropriation (Treasury) Code/CC/BA/BS	SA/Item Cont	trol Number				P-1 Line Iter	m Nomencla	ture					
									E-2C HAWI				
Weapon System				First System	ı (BY1) Awa	rd Date		First System		pletion Date			
E-2C HAWKEYE									Jan-99				
				(\$ i	in Millions)				ı	ı	ı		
												То	
	PLT	When Rqd	Prior Years		FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	Complete	Total
E-2C	34		21	5	5	5	0	0	0	0	0	0	36
CFE/AIRFRAME				Multiyear	Multiyear	Multiyear							
RADAR	24	10	19.7				0.0	0.0	0.0	0.0	0.0	0.0	19.7
PDS	24	10	9.3				0.0	0.0	0.0	0.0	0.0	0.0	9.3
ROTODOME	24	10	12.7				0.0	0.0	0.0	0.0	0.0	0.0	12.7
EMDU	24	10	1.3				0.0	0.0	0.0	0.0	0.0	0.0	1.3
IFF	24	10	8.3				0.0	0.0	0.0	0.0	0.0	0.0	8.3
LANDING GEAR	24	10	6.9				0.0	0.0	0.0	0.0	0.0	0.0	6.9
OTHER CFE	24	10	82.9				0.0	0.0	0.0	0.0	0.0	0.0	82.9
EOQ AIRFRAME		1											
FOR FY99													
FOR FY00			28.4										28.4
FOR FY01		1	45.4	51.0									96.4
FOR FY02			45.9	51.0	28.2								125.1
FOR FY03			45.9	50.9	28.2	23.7							148.6
TOTAL EOQ AIRFRAME			165.6	152.9	56.4	23.7	0.0						398.5
EOQ ENGINE													
FOR FY00			3.8										3.8
FOR FY01			2.8	7.1									9.9
FOR FY02		1	2.3	3.3	3.8								9.4
FOR FY03		+	2.8	3.4	0.0	3.9							10.2
TOTAL EOQ ENGINE		+	11.7	13.8	3.8	3.9							33.3
TOTAL EOQ ENGINE			11.7	13.0	3.0	3.9							33.3
GFE													
ENGINE	24	10	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1
			9.5										
	24	10					0.0		0.0	0.0			
			350.9	171.9	67.5	36.2	0.0	0.0	0.0	0.0	0.0	0.0	626.4
Description:													
JTIDS OTHER GFE TOTAL Description:	24 24 24	10 10 10	9.5 13.1 350.9	0.0 1.9 3.3 171.9	0.0 1.9 5.4 67.5	1.9 6.7 36.2	0.0	0.0 0.0 0.0 <b>0.0</b>	0.0	0.0	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	10.1 15.2 28.4 <b>626.4</b>

Exhibit P-10 Advance	e Procure	ement F	Requireme	nts Analysis			Date:		
(Page 2 - Budget Just				<u> </u>				June 2001	
Appropriation (Treas	ury) Cod	le/CC/B	A/BSA/It	em Control N	Weapon System	m	P-1 Line Item	Nomenclature	
1506/-/BA1/-/NA					E-2C HA	WKEYE	E-2C ADV	ANCE PROCURE	EMENT(MYP)
				1	(TOA, \$ in Mill	lions)			
			UNIT	FY 2002	FY 2002	FY 2002	FY 2003		
								FY 2003	
				For FY	Contract	Total Cost	For FY 2004	Contract Forecast	FY 2003 Total
	PLT	QPA	COST	2003 Qty	Forecast Date	Request	Qty	Date	Cost Request
E-2C	29	N/A		FY02-5	Dec-01	N/A	FY03-0	N/A	
CFE/AIRFRAME						MULTIYEAR			
RADAR	24	1	5.3	5	Dec-01		0	N/A	0
PDS	24	1	3.1	5	Dec-01		0	N/A	0
ROTODOME	24	1	2.6	5	Dec-01		0	N/A	0
EMDU	24	1	0.0	0	N/A*		0	N/A	0
IFF	24	1	0.6	5	Dec-01		0	N/A	0
LANDING GEAR	24	1	0.4	5	Dec-01		0	N/A	0
OTHER CFE	24	1	-	5	Dec-01		0	N/A	0
AIRFRAME EOQ	24	VAR	-	VAR	Dec-01	23.7	0	N/A	0
GFE									
ENGINE EOQ	30	2	4.6	10	Dec-01	3.9	0	N/A	0
JTIDS	24	1	0.6	5	Dec-01	1.9	0	N/A	0
OTHER GFE	24	VAR	-	VAR	Dec-01	6.7	0	N/A	0
TOTAL						12.5			
<b>Total Advance Proc</b>						36.2			

Note: Totals may not add due to rounding.

Description:

\*Starting in FY97, EMDUs will be provided as Government Owned Material.

			BUDGI	ET ITEM JU	STIFICATION	ON SHEET					DATE:	
				]	P-40						June 2001	
APPROPRIATION/BUD	GET ACTI	VITY					P-1 ITEM N	NOMENCLA	ATURE			
Aircraft Procurement, Na	vy/Airlift A	ircraft (I	3A-2)				MH-60S Ve	ertical Reple	nishment (M	YP)		
Program Element for Coo	le B Items:						Other Relate	ed Program	Elements			
0204453N							N/A					
	Prior	ID									То	Total
	Years	Code	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Complete	Program
QUANTITY	6	A	16	15	13							
Net P-1 Cost (\$M)	138.128	A	279.010	213.402	181.957							
Advance Proc (\$M)	25.954	Α	76.732	71.294	64.212							
Wpn Sys Cost (\$M)	164.082	A	355.742	284.696	246.169							
Initial Spares (\$M)	3.287	Α	5.808	33.223	8.787							
Proc Cost (\$M)	167.369	A	361.550	317.919	254.956							
Unit Cost (\$M)	27.895	A	22.597	21.195	19.612							

## Mission & Description:

The Helicopter Combat Support (HC) mission is to maintain forward deployed fleet sustainability through rapid airborne delivery of materials and personnel and to support amphibious operations through search and rescue coverage. The primary roles of the aircraft are to conduct vertical replenishment (VERTREP), day/night ship-to-ship, ship-to-shore, and shore-to-ship external transfer of cargo; internal transport of passengers, mail and cargo, vertical onboard delivery (VOD); airhead operations, and day/night search and rescue (SAR). Organic Airborne Mine Countermeasures (OAMCM) has been added as a primary mission for the MH-60S. The purpose of the OAMCM program is to ensure integration of five separate sensors into the MH-60S helicopter. The AMCM mission will provide Carrier Battle Groups (CVBGs) and Amphibious Readiness Groups (ASGs) with an OAMCM capability. The aircraft secondary roles include torpedo and drone recovery, noncombatant evacuation operations (NEO), SEAL and EOD support.

### Basis for Request:

FY02 funds the procurement of 13 MH-60S aircraft. This is the first year of an approved 5 year joint service multiyear procurement (MYP).

Note: Totals may be off due to rounding.

P-1 SHOPPING LIST

CLASSIFICATION: UNCLASSIFIED

DD Form 2454, JUN 86

ITEM NO: 11

PAGE NO.: 1

Aircraft model: MH-60S VERTREP Date: June-01

P-5 Cost Sheet \$ in thousands

	Prior Years	FY	2000	FY:	2001	FY:	2002	FY 2	003
	Qty 6	Qty:	16	Qty:	15	Qty:	13	Qty:	
	Total Cost	<b>Unit Cost</b>	Total Cost	<b>Unit Cost</b>	Total Cost	<b>Unit Cost</b>	Total Cost	Unit Cost	Total Cost
1. AIRFRAME/CFE	76,220.161	11,819.212	189,107.398	11,252.884	168,793.262	11,723.689	152,407.956		
2. ENGINE/ACCESSORIES	8,325.460	1,425.780	22,812.479	1,453.839	21,807.582	1,550.106	20,151.375		
3. CFE ELECTRONICS	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
4. GFE ELECTRONICS	15,074.616	2,450.494	39,207.906	2,340.343	35,105.142	2,367.402	30,776.225		
5. ARMAMENT	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
6. OTHER GFE	0.004	224.061	3,584.974	423.790	6,356.848	361.711	4,702.240		
GFE SUBTOTAL	23,404.243	4,100.335	65,605.359	4,217.971	63,269.572	4,279.218	55,629.840		
7. REC FLYAWAY ECO	0.000	344.853	5,517.643	225.006	3,375.093	232.969	3,028.595		
8. REC FLYAWAY COST	99,624.404	16,264.400	260,230.400	15,695.862	235,437.928	16,235.876	211,066.392		
9. NON-RECURRING	11,452.543		500.000		8,379.000		1,300.000		
10. ANCILLARY EQUIPMENT	0.000		0.000		0.000		1,076.064		
11.			0.000		0.000		0.000		
12. TOTAL FLYAWAY COST	111,076.947		260,730.400		243,816.928		213,442.456		
13. AIRFRAME PGSE	1,489.222		3,861.351		8,077.430		6,572.227		
14. ENGINE PGSE	124.537		278.243		832.036		556.557		
15. AVIONICS PGSE	1,308.707		2,282.726		5,348.007		4,034.887		
16. PEC TRAINING EQUIP	15,479.355		14,646.406		1,115.143		14,238.971		
17. PUBS/TECH DATA	1,561.295		6,093.896		7,165.073		5,649.000		
18. WEAPON SYSTEM	0.000		424.526		815.668		668.766		
19. FIELD ACTIVITIES	4,343.245		11,359.646		13,195.964		5,554.709		
20. ILS/LS/MES	1,099.837		1,188.164		2,220.635		2,533.428		
21. PRODUCTION SUPPORT	1,644.855		4,098.642		2,531.117		0.000		
SPARES	0.000		0.000		5,016.000		0.000		
22. SUPPORT COST	27,051.053		44,233.600		46,317.073		39,808.545		
23. GROSS P-1 COST	138,128.000		304,964.000		290,134.000		253,251.001		
24. ADV PROC CREDIT	0.000		-25,954.000		-76,732.000		-71,294.000		
25. NET P-1 COST	138,128.000		279,010.000		213,402.000		181,957.001		
26. ADV PROCUREMENT	25,954.000		76,732.000		71,294.000		64,212.000		
27. WEAPONS SYSTEM	164,082.000		355,742.000		284,696.000		246,169.001		
28. INITIAL SPARES	3,287.000		5,808.000		33,223.000		8,787.000		
29. PROCUREMENT COST	167,369.000		361,550.000		317,919.000		254,956.001		

P-1 SHOPPING LIST

ITEM NO: 11 PAGE NO.: 2

CLASSIFICATION: UNCLASSIFIED

BUDGET PROCURE	MENT HISTORY	UNCLAS		Γ (P-5Δ)		Weapon System		A. DATE		
BUDGET TROCURE	MENT HISTOR	IANDIL	ANNING EXHIDI	I (I -3A)		MH-60S VERTREP		June-0	1	
B. APPROPRIATIO	N/RUDGET ACT	TIVITY			C P-1 ITEM N	NOMENCLATURE		June-0	SUBHEAD	
Aircraft Procurement,						al Replenishment (MYP)			U2A2	
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Airframe										
FY 00 Reg	16	11,819	ARMY	9/98	SS/MYP	Sikorsky, Stratford, CT	6/01*	11/00	Yes	N/A
FY00 AP (TL)			ARMY	9/98	SS/MYP	Sikorsky, Stratford, CT	5/00		Yes	N/A
FY 01 Reg	15	11,252	ARMY	9/98	SS/MYP	Sikorsky, Stratford, CT	6/01	9/01	Yes	N/A
FY01 AP (TL)			ARMY	5/00	SS/MYP	Sikorsky, Stratford, CT	2/01		Yes	N/A
FY 02 Reg	13	11,723	ARMY	5/00	SS/MYP	Sikorsky, Stratford, CT	4/02	9/02	Yes	N/A
FY02 AP (TL)			ARMY	5/00	SS/MYP	Sikorsky, Stratford, CT	12/01		Yes	N/A
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# D. Remarks

The airframe is under an Army multiyear contract.

Note: The amounts may be off due to rounding.

DD D 04444 TT 05				
DD Form 2446-1, JUL 87	P-1 SHOPPING LIST ITEM NO.: 11	PAGE NO.: 3	CLASSIFICATION:	UNCLASSIFIED

<sup>\*</sup>Contract Definitization

CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION	ON:	UNCLASSIFIE	D							
BUDGET PROC	UREMENT HIS	TORY AND PL	ANNING EXHIE	SIT (P-5A)		Weapon System		A. DATE		
						MH-60S VERTREF	)	June-01		
B. APPROPRIA	ATION/BUDGET	T ACTIVITY			C. P-1 ITEM N	OMENCLATURE			SUBHEAD	
Aircraft Procurer	nent, Navy/Airlif	t Aircraft (BA-2	)		MH-60S Vertica	al Replenishment (M	(YP)		U2A2	
					CONTRACT			DATE OF	TECH	DATE
Cost Element/	QUANTITY	UNIT	LOCATION	RFP ISSUE	METHOD	CONTRACTOR	AWARD	FIRST	DATA	REVISIONS
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Engine										
FY 00 Reg	32	676	ARMY	6/97	SS/FFP	GE, Lynn, Mass.	3/00	4/00	Yes	N/A
FY 00 AP			ARMY	6/97	SS/FFP	GE, Lynn, Mass.	3/00		Yes	N/A
FY 01 Reg	30	687	ARMY	6/97	SS/FFP	GE, Lynn, Mass.	4/01	5/01	Yes	N/A
FY 01 AP			ARMY	6/97	SS/FFP	GE, Lynn, Mass.	4/01		Yes	N/A
FY 02 Reg	26	699	ARMY	6/97	SS/FFP	GE, Lynn, Mass.	1/02	5/02	Yes	N/A
FY 02 AP			ARMY	6/97	SS/FFP	GE, Lynn, Mass.	1/02		Yes	N/A

# D. REMARKS

The engines are on an Army contract.

Note: The amounts may be off due to rounding.

	DD Form 2446-1, JUL 87	P-1 SHOPPING LIST	ITEM NO.: 11	PAGE NO.: 4	CLASSIFICATION:	UNCLASSIFIED
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FY 2002 President's Budget Pro			lule, P	-21														DATE	Ξ.			Ju	ne 20	001						
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Remarks: This is the Army/Navy Multi-Year proposed contract schedule. FY00 includes a Congressional plus up of four aircraft and because no advance procurement was provided, for delivery purposes they should be considered as FY01 aircraft.

311 / 244 ITEM NO: 11 PAGE: 5 Exhibit P-21 Production Schedule

FY 2002 President's Budget Prod			lule, P	-21														DATI	E			Ju	ne 20	001						
APPROPRIATION/BUDGET ACT	TVITY												W	eapo	n Sy	stem		P-1	ITEN	A N	OMI	ENC	LAT	URE						
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Remarks: The engines are on an Army contract.

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Remarks: The engines are on an Army o																						-		_						

DD Form 2445, JUL 87 311 / 244

Previous editions are obsolete

P-1 SHOPPING LIST

ITEM NO. 11

PAGE NO.: 7

FY 2002 President's	Budg	et Pro	ductio	n Sche	edule,	P-21												DATE				Jì	une 20	001						
APPROPRIATION/B Aircraft Procurement,					.2)									Veapor I-60S				P-1 I'	TEM N					nishm	ent (N	IYP)				
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DD Form 2445, JUL 87

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Previous editions are obsolete

P-1 SHOPPING LIST

ITEM NO. 11 PAGE NO. 8 Exhibit P-21 Production Schedule

FY 2002 Presid	lent's l	Budge	t Prod	uction	Scheo	dule, P	-21											DATE				Ju	ne 200	)1						
APPROPRIATI	ON/BU	JDGE.	ГАСТ	IVITY									V	Veapor	Syste	m		P-1 IT	EM N	OME	NCLA7	URE								
Aircraft Procure	ment, l	Navy/A	Airlift A	Aircraf	t (BA2	2)							MF	I-60S \	VERT	REP		MH-6	OS Ve	rtical F	Repleni	shmen	t (MY	P)						
							P	roduct	ion Ra	te						Procu	ıremei	nt Lead												
		Mai	nufactu	rer's								A	LT Pri	ior	A	LT Af	ter		Initial		F	Reorde	r					Uni	it of	
Item			and Lo	ocation	1	M		EC	ON	M		t	o Oct			Oct 1		N	Ifg PL	Т		Ifg PL	T		Total			Mea	sure	
Avionics		need M	[artin			1	8	24		60			9			3			21			14			17			E		
	Oweg	a, NY																												
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ITEM / MANUFACTU			Q	D	В																									
RER	F	S											CALE	NDAR	YEA	R 2003	3						CA	LEND	AR YI	EAR 2	004			
	Y	V	T	E	Α	О	N	D	J	F	M	Α	M	J	J	A	S	О	N	D	J	F	M	Α	M	J	J	A	S	В
		C	Y	L	L	С	О	Е	Α	Е	A	P	A	U	U	U	Е	C	О	Е	Α	Е	Α	P	A	U	U	U	Е	Α
						T	V	C	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	L
Avionics	02	N	13	8	5	1	1	1	1	1																				0
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MANUFACTU			Q	D	В																									
RER	F	S	`										CALE	NDAR	YEA	R 2005	5						CA	LEND	AR YI	EAR 2	006			
	Y	V	T	Е	Α	О	N	D	J	F	M	A	M	J	J	A	S	0	N	D	J	F	M	Α	M	J	J	A	S	В
		С	Y	L	L	C	0	E	A	E	A	P	A	U	U	U	E	C	0	E	A	E	A	P	A	U	U	U	E	Α
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DD Form 2445, JUL 87

Previous editions are obsolete

P-1 SHOPPING LIST

311 / 244 ITEM NO. 11 PAGE NO. 9 Exhibit P-21 Production Schedule

CLASSIFICATION:			UNCLASSIFI	ED								
		I	BUDGET ITEN	M JUSTIFICAT	TION SHEET				DATE:			
			P-4	10					June-01			
APPROPRIATION/BUDG	GET ACTIVI	ГҮ					P-1 ITEM NO	MENCLATURE				
Aircraft Procurement, Nav	y/ Combat Ai	rcraft, (Ba	A-2)					MH-60S Adva	nce Procuremen	t (MYP)		
Program Element for Code	B Items						Other Related I	Program Elemer	its			
0204453N	Į.	1		ı	1	1	None.		ı	ı		
	Prior	ID									To	
	Years	Code	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Complete	Total
COST												
(In Millions)	\$25.954	В	\$76.732	\$71.294	\$64.212							\$238.192

MISSION AND DESCRIPTION: The Helicopter Combat Support (HC) mission is to maintain forward deployed fleet sustainability through rapid airborne delivery of materials and personnel and to support amphibious operations through search and rescue coverage. The primary roles of the aircraft are to conduct vertical replenishment (VERTREP), day/night ship-to-ship, ship-to-shore, and shore-to-ship external transfer of cargo; internal transport of passengers, mail and cargo, vertical onboard delivery (VOD); airhead operations, and day/night search and rescue (SAR). The aircraft secondary roles include torpedo and drone recovery, noncombatant evacuation operations (NEO), SEAL and UDT support.

BASIS FOR FY 2002 BUDGET REQUEST: FY 2002 advance procurement funds are requested for procurement of FY03 long lead airframe, engines, common cockpits, and misc. other avionics in support of the MH-60S portion of a joint Army-Navy 5 year (FY 2002 - FY 2006) Multiyear procurement for the UH-60L Blackhawk and MH-60S Seahawk aircraft.

Note: Amounts may be off due to rounding.

Exhibit P-10 Advance Proc (Page 1 - Funding)	urement	Requirer	nents Anal	ysis			Date: June-01						
Appropriation (Treas) Code	CC/BA	/BSA/Ite	m Control	Number				m Nomenclat	ure				
Aircraft Procurement, Navy	/Airlift	Aircraft (	BA 2)				MH-60S Ad	vance Procur	rement (MYP)				
Weapon System				First Systen	. ,				Interval Betv	veen Systems			
MH-60S VERTREP (MYP	)			FY01 for F	Y02 Product		M:11:)		Monthly				
	I	W/h an	Prior			(\$ in	Millions)		I			То	
	PLT	When Rqd	Years	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	Complete	Total
End Item Qty (in next FY)			6	16	15	13							
CFE - Airframe (TL)	18	24	0.000	25.014	19.088	22.416							
GFE - Engine/APU	14	4	7.884	18.078	19.780	15.479							
GFE - A/C Cockpit	14	4	15.098	32.195	24.612	19.261							
GFE - A/C Misc. Avionics	Var	Var	2.972	1.445	7.814	7.056							
Total AP			25.954	76.732	71.294	64.212							
D													

### Description:

Airframes, engines, common cockpit, and misc. other avionics requirements reflect funding requirements for procurement of long lead parts and materials necessary to maintain the MH-60S delivery schedule. CFE - Airframe (TL) is directly related to the end item quantity. GFE - Engine/Cockpit/Avionics is directly related to the number of units delivered in the first 9 months of the aircraft delivery schedule (P-21).

Exhibit P-10 Advance Procure	ment Requi	rements A	nalysis				Date:		
(Page 2 - Budget Justification)							June-01		
Appropriation (Treasury) Code	e/CC/BA/BS	SA/Item C	Control Numb	er	Weapon System		P-1 Line Item Nomer	nclature	
Aircraft Procurement, Navy/A	irlift Aircrat	ft (BA-2)			MH-60S VERTREP		MH-60S Advance Pr	ocurement (MYP)	
				(	TOA, \$ in Millions)				
			UNIT	FY 2002	FY 2002	FY 2002	FY 2003	FY 2003	FY 2003
					Contract Forecast	Total Cost		Contract Forecast	
	PLT	QPA	COST	For FY 2003 Qty	Date	Request	For FY 2004 Qty	Date	Total Cost Request
End Item				14					
CFE - Airframe (TL)	18	1			Dec-01	22.4			
GFE - Engine/APU	14	2	1.5	20	Jan-02	15.5			
GFE - A/C Common Cockpit	14	1	1.9	10	Jan-02	19.3			
GFE - A/C Misc. Avionics	Var	Var	Var	Var	Var	7.0			
Total Advance Proc						64.2			

Description:

EOQ is not applicable to the VERTREP Program.

# **UNCLASSIFIED**

			BUDGE	T ITEM JU	STIFICATION	ON SHEET	-				DATE:	
				F	P-40						June 2	001
APPROPRIATION/BUDGE	T ACTIVITY						P-1 ITEM NO	MENCLATU	RE			
Aircraft Procurement, I	Navy/BA-2						UC-35 (42	CA)				
Program Element for Code	B Items:						Other Relate	d Program Ele	ements			
	Prior	ID									То	Total
	Years	Code	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Complete	Program
QUANTITY			2	1								6
Net P-1 Cost (\$M)			11.897	7.530								19.427
Advance Proc (\$M)												
Wpn Sys Cost (\$M)			11.897	7.530								19.427
Initial Spares (\$M)												
Proc Cost (\$M)			11.897	7.530							_	19.427
Unit Cost (\$M)			5.949	7.530								3.238

#### Description:

The UC-35 is a FAA type-certified modern commercial cargo/passenger transport aircraft (Cessna Citation Ultra / Encore) that will replace the US Marine Corps' (USMC) CT-39 aircraft in performing Operational Support Airlift (OSA) missions. The OSA mission provides transportation for high priority passengers and cargo with time, place or mission sensitive requirements. Two UC-35 aircraft have already been procured for the USMC Reserves in FY98 using National Guard & Reserve Equipment (NG&RE) funding and they were delivere the 1st Qtr of FY00. Congress provided APN funding in FY00 to procure 2 more UC-35 aircraft and associated support. Spares procurement is not planned as the UC-35 will be solely supported by Contractor Logistic Support (CLS).

Basis for Request: N/A

P-1 SHOPPING LIST
ITEM NO 13 PAGE NO 1

CLASSIFICATION:

UNCLASSIFIED

DD Form 2454, JUN 86

Date: June 2001

AIRCRAFT COST ANALYSIS P-5 Cost Sheet

Aircraft model: UC-35 \$ in thousands

				2000	FY 2			2002	FY 200	03
		Prior Years	Qty:	2	Qty:	1	Qty:		Qty:	
		Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1	Airframe CFE		5,651.000	11,302.000	7,100.000	7,100.000				
2	CFE Electronics									
3	GFE Electronics									
4	Engines/Eng Acc									
5	Armament									
6	Other GFE									
7	Rec Flyaway ECO									
8	Rec Flyaway Cost		5,651.000	11,302.000	7,100.000	7,100.000				
9	Non-Recur Cost									
10	Ancillary Equip									
11	, , ,									
12	Total Flyaway		5,651.000	11,302.000	7,100.000	7,100.000				
13	Airframe PGSE									
14	Engine PGSE									
15	Avionics PGSE									
16	Pec Trng Eq									
17	Pub/Tech Eq			24.000		25.000				
18	Other ILS			433.000		275.000				
19	Prod Eng Supt			138.000		130.000				
20										
21	Support Cost			595.000		430.000				
22	Gross P-1 Cost			11,897.000		7,530.000				
23	Adv Proc Credit									
24	Net P-1 Cost			11,897.000		7,530.000				
25	Adv Proc CY									
26	Weapon System Cost			11,897.000		7,530.000				
27	Initial Spares									
28	Procurement Cost			11,897.000		7,530.000				
			P.	1 SHOPPING	LIST					

P-1 SHOPPING LIST

ITEM NO 13 PAGE NO 2

**UNCLASSIFIED** 

BUDGET PROCURE	MENT HIST	ORY AND P	LANNING EXHIBIT	Г (P-5A)		Weapon System		A. DATE		
					T	UC-35		June 2001		
B. APPROPRIATION/BUDGE					C. P-1 ITEM NOM				SUBHEAD	
Aircraft Procureme	ent, Navy/	BA-2				UC-35				42CA
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISION: AVAILABLI
AIRFRAME CFE / FY00	2	\$ 5,651	ARMY	N/A	FFP	CESSNA AIRCRAFT WICHITA, KS	04/00	08/01	N/A	N/A
AIRFRAME CFE / FY01	1	\$ 7,100	ARMY	N/A	FFP	CESSNA AIRCRAFT WICHITA, KS	01/01	03/02	N/A	N/A
). REMARKS		<del></del>				· · · · ·				

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 13 PAGE NO. 4

<b>FY 2002 BUDGET PRODUCTI</b>			JLE, F	P-21														DATI				June								
APPROPRIATION/BUDGET AC													Wea	•	Sys	tem		P-1	ITEI	M N	OME	ENC	LAT	URI	E					
AIRCRAFT PROCUREMENT, N	IAV Y/E	SA-2				1	Dro	duot	ion	Doto			UC-	35	Dro	curc	moi	ot L	eadtii	mac						UC-3	<u>.</u> 5			
Item			nufacti and L	urer's	n		Pro SR	duct EC	ON				T Pr		AL.		ter		Initia Ifg Pl	ıl	R	eord			Тс	otal			nit of	
UC-35	CESS	SNA A	CFT	CO.		N/A		N/A		N/A			0			3			N/A			14			•	17			E	
ITEM / MANUFACTURER	F	S	Q	D	В				F	ISCAI	_ YEA	R 00		FND	AR YE	AR						FIS		EAR		AR YEAF				
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UC-35 / CESSNA	00 01	N N	2	0	2							Α									Α							1	1	0
										FIS	CAL \	/EAR	02									FIS	CAL `	YEAR	03	3				
ITEM / MANUFACTURER	F	S	Q	D -	В								CALI	ENDA	R YE	٩R							(	CALE	ND	AR YEAF				
	Y	C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R		M J A U Y N	J L	A U G	S E P	B A L
UC-35 / CESSNA	01	N	1	0	1						1																			0
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	Y	V C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R		M J A U Y N	J L	A U G	S E P	B A L
										FIS	CAL Y	/EAR	06									FIS	CAL	YEAR	07	7				
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST 311 / 244 ITEM NO 13 PAGE 5

# **UNCLASSIFIED**

			BUDGE	ET ITEM JU	STIFICATION	ON SHEET					DATE:	
				ı	P-40						June 2001	
APPROPRIATION/BUDGE	ET ACTIVITY						P-1 ITEM NO	MENCLATUR	RE			
Aircraft Procurement, I	Navy, BA-2						C-40A (42I	32)				
Program Element for Code	B Items:						Other Relate	d Program Ele	ements			
N/A							N/A					
	Prior	ID									То	Total
	Years	Code	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Complete	Program
QUANTITY			1	1								
Net P-1 Cost (\$M)			56.301	54.495								
Advance Proc (\$M)												
Wpn Sys Cost (\$M)			56.301	54.495								
Initial Spares (\$M)			1.204	1.496								
Proc Cost (\$M)			57.505	55.991								
Unit Cost (\$M)			57.505	55.991								

#### Mission & Description:

The C-40A is a replacement for the C-9B/DC-9 aircraft. The C-40A will provide the Navy Reserve with a long range aircraft that will carry high priority passengers and cargo. The C-40A will carry 121 passengers in the all passenger configuration, eight standard DoD cargo pallets in the all cargo configuration, or 3 pallets and 70 passengers in the "combination" configuration. The C-40A is a commercial derivative of the Boeing 737-700C and all three configurations will be FAA Certified. The C-40A will be Extended Twin-Engined Operations (ETOPS) certified for over water operations.

In FY 1999 and prior, four C-40A aircraft and related support were procured for the Navy Reserves using FY97-99 National Guard & Reserve Equipment (NG&RE) funding.

The long term objective for the C-40A program is to replace all 29 C-9B/DC-9 aircraft.

Basis for Request: Not Applicable

P-1 SHOPPING LIST

CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO 14

PAGE NO 1

**UNCLASSIFIED** 

Date: June-2001

AIRCRAFT COST ANALYSIS P-5 Cost Sheet

Aircraft model: C-40A

\$ in thousands

			FY 2		FY 2	001		2002	FY 2	
		Prior Years	Qty:	1	Qty:	1	Qty:		Qty:	
ā	4:4	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1	Airframe CFE		53,943.000	53,943.000	54,446.000	54,446.000				
2	CFE Electronics		40.000	40.000	40.000	40.000				
3	GFE Electronics		49.000	49.000	49.000	49.000				
4	Engines/Eng Acc									
5	Armament Other GFE									
6 7										
	Rec Flyaway ECO Rec Flyaway Cost		F2 002 000	F2 002 000	E4 40E 000	E4 40E 000				
8	Red Flyaway Cost		53,992.000	53,992.000	54,495.000	54,495.000				
9	Non-Recur Cost									
10	Ancillary Equip									
11	, 1. 1									
12	Total Flyaway		53,992.000	53,992.000	54,495.000	54,495.000				
13	Airframe PGSE			1,134.000						
14	Engine PGSE									
15	Avionics PGSE									
16	Pec Trng Eq									
17	Pub/Tech Eq									
18	Other ILS			563.000						
19	Prod Eng Supt			612.000						
20										
21	Support Cost			2,309.000						
22	Gross P-1 Cost			56,301.000		54,495.000				
23	Adv Proc Credit			00,001.000		04,400.000				
24	Net P-1 Cost			56,301.000		54,495.000				
25	Adv Proc CY			,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
26	Weapon System Cost			56,301.000		54,495.000				
27	Initial Spares			1,204.000		1,496.000				
28	Procurement Cost			57,505.000		55,991.000				

P-1 SHOPPING LIST

ITEM NO 14 PAGE NO 2

**UNCLASSIFIED** 

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)  B. APPROPRIATION/BUDGET ACTIVITY  Aircraft Procurement, Navy, BA-2						Weapon System			A. DATE		
					C-40A June- C. P-1 ITEM NOMENCLATURE			June-2001	SUBHEAD		
					C-40A			42B2			
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE	
AIRFRAME CFE/ FY00	1	\$53,943	NAVAIR	N/A	FFP	BOEING SEATTLE WA	06/00	06/02	N/A	N/A	
AIRFRAME CFE/ FY01	1	\$54,446	NAVAIR	N/A	FFP	BOEING SEATTLE WA	12/00	11/02	N/A	N/A	
D. REMARKS											

PAGE NO.4

DD Form 2446-1, JUL 87

P-1 SHOPPING LIST ITEM NO. 14

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PAGE 5

FY 2002 BUDGET PRODUCTIO			LE, P	-21															te: c											
APPROPRIATION/BUDGET ACT	IVITY												Wea	apon	Sys	stem	1	P-1	ITEN	M N	OME	NCL	.ATL	JRE						
Aircraft Procurement, Navy/BA-2					Production Rate  Production Rate  MSR ECON MA  N/A N/A N/A  FISCAL  D B E A O N D J F T V C N B							Ċ	40A						C-4	ŀΟA										
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## **UNCLASSIFIED**

			BUDGE	T ITEM JU	STIFICATION	ON SHEET	-				DATE:	
					P-40						June 2001	
APPROPRIATION/BUDGE	T ACTIVITY						P-1 ITEM NO	DMENCLATU	RE			
Aircraft Procurement, I	Navy/BA-2						C-37 Aircra	aft				
Program Element for Code	B Items:						Other Relate	d Program Ele	ements			
					N/A		N/A					
	Prior	ID									То	Total
	Years	Code	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Complete	Program
QUANTITY				1								
Net P-1 Cost (\$M)				49.815								
Advance Proc (\$M)												
Wpn Sys Cost (\$M)				49.815								
Initial Spares (\$M)				1.658								
Proc Cost (\$M)				51.473								
Unit Cost (\$M)				51.473								

#### Mission & Description:

- 1. The C-37 is a long-range, twin-turbofan, Commercial Off the Shelf (COTS)/Non-Developmental Item (NDI), Federal Aviation Administration (FAA) certified, transport aircraft. The aircraft will be certified per Federal Aviation Regulation (FAR) Part 25 (Airworthiness Standards), Part 34 (Pollution), and Part 36 (Nois
- 2. The mission of the C-37 aircraft is to provide long range executive transport to the Chief of Naval Operations (CNO), Commander in Chief's (CINC's) and their staff. Four of the five airc currently meeting this mission have exceeded or will exceed fatigue life expiration by FY 2006.
- 3. The aircraft will comply with reduced vertical separation minimum (RVSM), extended twin-engine over-water requirements and be communication, navigation, surveillance/air traffic management (CNS/ATM) compliant. The aircraft will have state of the art avionics that comply with all known FAA and International Civil Aviation Organization (ICAO) mandates and Future Air Navigation Systems (FANS) requirements.
- 4. The total aircraft program requirement is five (5) aircraft.

Basis for Request: N/A

P-1 SHOPPING LIST

CLASSIFICATION:

**UNCLASSIFIED** 

DD Form 2454, JUN 86

ITEM NO 15

PAGE NO 1

Date: June 2001

AIRCRAFT COST ANALYSIS P-5 Cost Sheet

## Aircraft C-37 Aircraft \$thousands

				2000	FY 2	001		2002	FY 20	003
		Prior Years	Qty:		Qty:	1	Qty:		Qty:	
		Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1	Airframe CFE				44,000.000	44,000.000				
2	CFE Electronics									
3	GFE Electronics									
4	Engines/Eng Acc									
5	Armament									
6	Other GFE									
7	Rec Flyaway ECO									
8	Rec Flyaway Cost				44,000.000	44,000.000				
0	Non-Recur Cost									
9 10	Ancillary Equip									
11	Andiliary Equip									
12	Total Flyaway				44,000.000	44,000.000				
12	Total Tiyaway				44,000.000	44,000.000				
13	Airframe PGSE					900.000				
14	Engine PGSE									
15	Avionics PGSE									
16	Pec Trng Eq					948.000				
17	Pub/Tech Eq					360.000				
18	Other ILS					2,967.000				
19	Prod Eng Supt					640.000				
20										
21	Support Cost					5,815.000				
22	Gross P-1 Cost					49,815.000				
23	Adv Proc Credit					10,010.000				
24	Net P-1 Cost					49,815.000				
25	Adv Proc CY					-,				
26	Weapon System Cost					49,815.000				
27	Initial Spares					1,658.000				
28	Procurement Cost					51,473.000				

P-1 SHOPPING LIST

ITEM NO 15 PAGE NO 2

CLASSIFICATION: UNCLASSIFIED

BUDGET PROCURE	EMENT HISTO	ORY AND P	PLANNING EXHIE	BIT (P-5A)		Weapon System C-37Aircraft		A. DATE June 200	1	
B. APPROPRIATION/BUDG Aircraft Procurem		3A-2			C. P-1 ITEM NON C-37 Aircraft				SUBHEAD 42VP	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISION: AVAILABLI
Airfarme CFE FY01	1	\$ 44,000	Tinker AFB	N/A	FFP	Gulfstream, Savannah GA	Jan 01	Mar 02	N/A	N/A
D. REMARKS										

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 15 PAGE NO. 3

FY 2002 BUDGET PRODUCT	TION SC	HEDL	JLE, F	P-21														DAT	E: Ju	ne 20	01									
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C-37Aircraft	Gulfstr	ream, S	avanna	ıh GA		NA			NA		NA					3			15		NA				18				E	
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DD Form 2445, JUL 87 P-1 SHOPPING LIST Previous editions are obsolete 311 / 244

## **UNCLASSIFIED**

			BUDGE	T ITEM JU		ON SHEET	_				DATE:	
				ŀ	P-40		1				June 2001	
APPROPRIATION/BUDG	ET ACTIVITY						P-1 ITEM NO					
Aircraft Procurement,	Navy/B.A.3							T45TS Go	shawk			
Program Element for Code	e B Items:						Other Related	d Program Ele	ements			
	Prior	ID						<u> </u>	<u> </u>		То	Total
	Years	Code	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Complete	Program
QUANTITY	138	Α	15	14	6							
Net P-1 Cost (\$M)	3,051.544	Α	316.964	298.613	179.331							
Advance Proc (\$M)	328.425	Α	9.458	5.095	0							
Wpn Sys Cost (\$M)	3,379.969	Α	326.422	303.708	179.331							
Initial Spares (\$M)	203.534	Α	12.088	12.530	15.169							
Proc Cost (\$M)	3,583.503	Α	338.510	316.238	194.500							
Unit Cost (\$M)	25.967	Α	22.567	22.588	32.417							

#### Description:

The T45TS is an optimized replacement for the existing pilot training system that meets carrier pilot production requirements (TA-4J retired FY99 & T-2C retires FY03).

The fully integrated system includes: 173 T-45 A/C; 17 simulators; academic materials, training aids, & equipment; two computer based training integration systems; and contractor logistics support of all system elements.

BASIS FOR REQUEST: FY2002 procures 6 aircraft with support.

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 16 PAGE NO. 1

DD Form 2454, JUN 86

**UNCLASSIFIED** 

# AIRCRAFT COST ANALYSIS P-5 Cost Sheet

Date: June 2001

Aircraft model: T-45TS Goshawk

\$ in thousands

			FY 2	2000	FY 2	2001	FY 2	2002	FY 2	2003
		Prior Years	Qty:	15	Qty:	14	Qty:	6	Qty:	0
		Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1	Airframe CFE	2,240,442.185	15,012.247	225,183.699	15,517.232	217,241.253	20,341.181	122,047.086		
2	Engines/Eng Acc	139,923.755	1,941.990	29,129.854	2,050.592	28,708.281	2,496.519	14,979.113		
3	GFE Electronics	14,592.413	143.622	2,154.328	154.258	2,159.610	221.029	1,326.174		
6	Other GFE	67,871.213	554.002	8,310.031	531.074	7,435.030	580.681	3,484.086		
	Subtotal GFE	222,387.381	2,639.614	39,594.213	2,735.923	38,302.921	3,298.229	19,789.373		
7	Rec Flyaway ECO	7,517.578	317.199	4,757.983	273.117	3,823.635	406.824	2,440.942		
8	Rec Flyaway Cost	2,470,347.144	17,969.060	269,535.895	18,526.272	259,367.809	24,046.234	144,277.401		
				_						
9	Non-Recur Cost	160,775.962		0		8,500.000		8,400.000		
10	Ancillary Equip	9,467.571		2,843.436		3,032.210		2,946.718		
12	Total Flyaway	2,640,590.677	18,158.622	272,379.331	19,350.001	270,900.019	25,937.353	155,624.119		
13	Airframe PGSE	101,792.369		9,204.033		6,684.283		3,518.200		
16	Pec Trng Eq	203,744.229		10,794.804		240.883		0		
17	Pub/Tech Eq	44,458.728		1,517.715		2,520.914		2,198.875		
18	Other ILS	206,426.146		16,924.326		17,193.127		13,262.826		
19	Fac Mgmt/Fld Act	152,227.395		10,630.000		6,728.843		6,743.910		
20	ISD/TIS/ACAD	22,840.085		3,402.791		3,419.931		3,078.070		
21	Spares (Cong. Add)			0		383.000				
22	Support Cost	731,488.952		52,473.669		37,170.981		28,801.881		
22	Gross P-1 Cost	3,372,079.629		324,853.000		308,071.000		184,426.000		
	Adv Proc Credit	-320,535.593		-7,889.000		-9,458.000		-5,095.000		
	Net P-1 Cost	3,051,544.036		316,964.000		298,613.000		179,331.000		
	Adv Proc CY	328,424.593		9,458.000		5,095.000		0		
26		3,379,968.629		326,422.000		303,708.000		179,331.000		
27	Initial Spares	203,533.877		12,088.000		12,530.000		15,169.000		
	Procurement Cost	3,583,502.506		338,510.000		316,238.000		194,500.000		
20	i rodaromont oost	5,555,552.500		330,310.000		310,200.000		104,000.000		

P-1 SHOPPING LIST

ITEM NO. 16

PAGE NO. 2

## **UNCLASSIFIED**

BUDGET PROCURE	MENT HISTO	DRY AND	PLANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
						T45TS GOSHAWK			June 2001	
B. APPROPRIATION/BUDGE					C. P-1 ITEM NOM	MENCLATURE			SUBHEAD	
Aircraft Procureme	ent, Navy/	B.A.3				T45 Airframe			U3GH	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE
FY 2000 Regular	15	15.0	NAVAIR, Pax River	7/97	SS /FP	Boeing (MDA) St. Louis, MO	12/99	10/01	Yes	N/A
ADV PROCUREMENT (00 for 01)			NAVAIR, Pax River	7/97	SS /FP	Boeing (MDA) St. Louis, MO	9/00		Yes	N/A
FY 2001 Regular	14	15.5	NAVAIR, Pax River	7/97	SS /FP/OPT	Boeing (MDA) St. Louis, MO	12/00	10/02	Yes	N/A
ADV PROCUREMENT (01 for 02)			NAVAIR, Pax River	7/97	SS /FP/OPT	Boeing (MDA) St. Louis, MO	8/01		Yes	N/A
FY 2002 Regular	6	20.3	NAVAIR, Pax River	7/97	SS /FP/OPT	Boeing (MDA) St. Louis, MO	12/01	10/03	Yes	N/A

#### D. REMARKS

Only Boeing (MDA) possesses the unique experience and capabilities to fulfill this requirement. Because Boeing is the sole source contractor, there are normally no formal RFP's utilized, and the process begins with Boeing submitting a proposal. Therefore, the RFP dates above are not true RFP dates and reflect NAVAIR contracting estimates on when proposals began.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 16 PAGE NO. 3

<sup>\*</sup> Airframe/CFE and CFE Mission Electronics only. Engine is GFE.

<sup>\*\*</sup> Sole Source because Boeing (MDA) is the designer, developer and sole manufacturer/integrator of the T-45 airplane.

## UNCLASSIFIED

BUDGET PROCURE	MENT HISTO	DRY AND	PLANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
						T45TS GOSHAWK			June 2001	
B. APPROPRIATION/BUDGI	ET ACTIVITY				C. P-1 ITEM NOME	ENCLATURE			SUBHEAD	
Aircraft Procurem	ent, Navy/ I	B.A. 3				T-45 Engine			U3GH	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE
FY 2000 (Regular)	15	1.9	NAVAIR, Pax River	7/98	SS/ FP/ OPT	Rolls Royce plc Bristol, England	2/00	3/01	YES	N/A
ADV Procurement (00 for 01)			NAVAIR, Pax River	7/99	SS/ FP/ OPT	Rolls Royce plc Bristol, England	6/00		YES	N/A
FY 2001 (Regular)	14	2.1	NAVAIR, Pax River	7/99	SS/ FP/ OPT	Rolls Royce plc Bristol, England	11/00	3/02	YES	N/A
ADV Procurement (01 for 02)			NAVAIR, Pax River	7/00	SS/ FP/ OPT	Rolls Royce plc Bristol, England	7/01		YES	N/A
FY 2002 (Regular)	6	2.5	NAVAIR, Pax River	7/00	SS/ FP/ OPT	Rolls Royce plc Bristol, England	2/02	3/03	YES	N/A

#### D. REMARKS

Only Rolls Royce possesses the unique experience and capabilities to fulfill this requirement. Therefore, no formal RFP's are utilized, and initial discussions begin on the RFP issue dates listed.

The FFP basic contract was awarded to Rolls Royce (Nov 93) and contains eight (8) options for the FY-94 through FY-01 procurements. A new contract for FY-02 procurement will be negotiated.

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<sup>\*</sup> Engine / Access only.

<sup>\*\*</sup> Sole source because Rolls Royce is the designer, developer and sole source manufacturer of the T-45 engine.

<b>FY 2002 BUDGET PRODUCTI</b>	ON SC	HEDU	JLE, F	P-21														DATI					ne 2							
APPROPRIATION/BUDGET AC		VITY <b>3.A. 3</b>										apon				P-1	ITE	ΜN	IOM	ENC	LA1									
Aircraft Procurement, Navy	B.A.	Production Rate  Manufacturer's									Tra	iner										T4	5TS	3 A	IRF	RA	ME			
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST 311/244 ITEM NO. 16 PAGE 5

FY 2002 BUDGET PRODUCT	ION SC	HEDU	JLE, F	P-21														DATI					ne 2							
APPROPRIATION/BUDGET A			3										•	ı Sys			P-1	ITE	ΜN	IOM	ENC	LAT								
Aircraft Procurement, Navy /	B.A	A. 3  Production Rate  Manufacturer's									Tra	iner	Air									T4	5TS	S E	ngi	ne				
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T45TS ENGINES/ROLLS ROYCE	99	N	15	8	7	2	1	1	1	2																				0
T45TS ENGINES/ROLLS ROYCE	00	N	15	0	15						1	1	1	2	1	1	1	2	1	1	1	2								
T45TS ENGINES/ROLLS ROYCE	01	N	14	0	14																		1	1	1	2	1	1	1	6
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T45TS ENGINES/ROLLS ROYCE	01	N	14	8	6	2	1	1	1	1																				0
T45TS ENGINES/ROLLS ROYCE	02	N	6	0	6						1	0	1	0	1	0	1	0	1	0	1	0								0
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DD Form 2445, JUL 87 P-1 SHOPPING LIST Previous editions are obsolete 311 / 244

### **UNCLASSIFIED**

		BUD	GET ITEM JU	STIFICATION	SHEET				DATE:			
			P-40						June	2001		
APPROPRIATION/BUDG	SET ACTIVITY						P-1 ITEM NON	MENCLATURE				
Aircraft Procurement	, Navy/ (BA-3)							T-45 Advan	ce Procurem	ent		
Program Element for Cod	le B Items:						Other Related	Program Elem	ents			
	Prior	ID									То	
	Years	Code	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Complete	Total
COST	328.425	А	9.458	5.095	0	0	0	0	0	0	0	
(In Millions)												

#### MISSION AND DESCRIPTION:

This line item funds long lead requirements for the T-45C aircraft production program. Airframe/CFE and engine requirements are calculated on a funded termination liability basis, reflecting contractor's funding requirements for procurement of long-lead parts and materials necessary to protect the delivery schedule. Other government furnished equipment (GFE) requirements are determined on a fully funded basis, procuring the long-lead quantity needed to protect the production schedule.

BASIS FOR FY 2002 BUDGET REQUEST: FY 2002 advance procurement funds are not being requested.

DD Form 2454, JUN 86 P-1 SHOPPING LIST ITEM NO. 17 PAGE NO. 1

Exhibit P-10 Advano (Page 1 - Funding)	ce Procure	ment Re	quiremen	ts Analysis			Date:	Ju	ne 2001				
Appropriation (Trea Aircraft Procurement				Control Num	ber		P-1 Line l	tem Nomenc T-45 Adva	lature nce Procurem	ent			
Weapon System	T-45T	3		First Syster	n (BY1) Av	ward Date	Dec-0	1	Interval Be	etween Systen	ns	4.0 Weeks	
						(\$	in Million	s)					
	PLT	When Rqd	Prior Years	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	To Complete	Total
End Item Qty			138	15	14	6							
													+
CFE - Airframe	27	27	294.0	7.2	2.9	0.0							
GFE - Engine	28	26	19.9	2.2	2.1	0.0							
GFE - Other	27	26	14.5	0.1	0.1	0.0							
EOQ	N/A	N/A	0.0	0.0	0.0	0.0	1						
										_			
													+
Other *													
Total AP			328.4	9.5	5.1	0.0							
Description:													

Termination Liability schedule inputs provided by Boeing. Total may be different from P-40 exhibit due to rounding.

<sup>\*</sup> Specify other items for all pages of this exhibit.

Exhibit P-10 Advance Proc	curement Requir	ements A	nalysis				Date: June 2001		
(Page 2 - Budget Justificat	ion)								
Appropriation (Treasury) (	Code/CC/BA/BS	A/Item Co	ontrol Numbe	er	Weapon System		P-1 Line Item Nomen	nclature	
Aircraft Procuremtne, Nav	y / APN-3, Trair	ner Aircrat	ft		T-45TS		T-45 Advance Procu	rement	
					(TOA, \$ in Million	s)			
	FY 2002		UNIT	FY 2002	FY 2002	FY 2002	FY 2003		
					Contract Forecast	Total Cost		FY 2003 Contract	FY 2003 Total Cos
	PLT	QPA	COST	For FY 2003 Qty	Date	Request	For FY 2004 Qty	Forecast Date	Request
End Item									
CFE - Airframe									
TERM LIABILITY									
GFE - Engine									
GFE - Other									
Total Advance Proc									
<u> </u>									
Description:									

Last year for T-45 A/P is FY-2001.

## **UNCLASSIFIED**

			BUDGE	ET ITEM JU	STIFICATI	ON SHEET	Г				DATE:	
				F	<b>-</b> 40						June 2001	
APPROPRIATION/BUDGET	ACTIVITY						P-1 ITEM NO	OMENCLATU	RE			
Aircraft Procurement, N	lavy/BA3							Joint I	Primary Airo	craft Training	g System (J	PATS)
Program Element for Code E	Items:						Other Relate	d Program Ele	ements			
0603208N Training Sys	stem Aircra	ft					N/A					
	Prior	ID									То	Total
	Years	Code	FY 2000	FY 2001	FY 2002							
QUANTITY		В	12	24	0							
Net P-1 Cost (\$M)			55.355	80.625	0.000							
Advance Proc (\$M)			0.000	0.000	0.000							<u> </u>
Wpn Sys Cost (\$M)			55.355	80.625	0.000							
Initial Spares (\$M)			0.000	0.000	0.000							
Proc Cost (\$M)			55.355	80.625	0.000							
Unit Cost (\$M)			4.613	3.359	0.000							

#### Description:

MISSION: Supports Department of the Navy acquisition of the Joint Primary Aircraft Training System (JPATS) and transition to Department of Defense mandated Joint Primary Pilot Training (JPPT). The principal mission of the JPATS is to train entry-level Navy/Air Force student pilots in primary flying skills. JPATS also provides primary and intermediate training to entry-level USN Student Naval Flight Officers (SNFOs). JPATS will also support the training of USAF and USN Instructor Pilots (IPs). JPATS is a joint USAF/USN venture to replace the Services' aging fleets of primary training aircraft (T-37B/T-34C respectively). The USAF is the executive service.

**DESCRIPTION:** JPATS is a joint USAF/USN Acquisition Category 1C program. JPATS includes the T-6A Texan II (a single turboprop engine, stepped tandem seat, commercially derived aircraft), ground based training system (aircrew training devices, development courses, conversion courses, and operational support), and contractor logistics support. The Training Information Management System (TIMS) is a major information management system that will be used by the USN/USAF to manage all student administrative and training requirements. TIMS will be procured and installed prior to the first Navy T-6A aircraft. The USAF has programmed procurement of 454 T-6A Texan II aircraft, with the first procurement in FY95. The USN has programmed procurement of 328 aircraft with the first procurement in FY00.

**BASIS FOR REQUEST:** No FY 2003 Funds are Requested.

P-1 SHOPPING LIST

ITEM NO 18

PAGE NO 1

CLASSIFICATION:

**UNCLASSIFIED** 

DD Form 2454, JUN 86

AIRCRAFT COST ANALYSIS P-5 Cost Sheet

Date: June 2001

Aircraft model: JPATS

\$ in thousands

			FY 2	2000	FY 2	001	FY 2	2002	FY 2	2003
		Prior Years	Qty:	12	Qty:	24	Qty:		Qty:	
		Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1	Airframe CFE		2,567.500	30,810.000	2,573.792	61,771.000	0	0		
7	Rec Flyaway ECO		61.583	739.000	12.542	301.000	0	0		
8	Rec Flyaway Cost		2,629.083	31,549.000	2,586.333	62,072.000	0	0		
9	Non-Recur Cost									
12	Total Flyaway		2,629.083	31,549.000	2,586.333	62,072.000	0	0		
13	Airframe PGSE			0.000		0.000		0		
16	Pec Trng Eq			21,820.000		17,688.000		0		
17	Pub/Tech Eq			238.000		357.000		0		
18	Other ILS			387.000		327.000		0		
19	Prod Eng Supt			1,361.000		181.000		0		
21	Support Cost			23,806.000		18,553.000		0		
22	Gross P-1 Cost			55,355.000		80,625.000		0		
23	Adv Proc Credit			0.000		0.000		0		
24	Net P-1 Cost			55,355.000		80,625.000		0		
25	Adv Proc CY			0.000		0.000		0		
26	Weapon System Cost			55,355.000		80,625.000		0		
27	Initial Spares			0.000		0.000		0		
28	Procurement Cost			55,355.000		80,625.000		0		

CLASSIFICATION: UNC

**UNCLASSIFIED** 

		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	PLANNING EXHIBIT	(P-5A)		Weapon System JPATS		A. DATE	June 2001	
APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NOM				SUBHEAD	
Aircraft Procureme	ent, Navy/B	A3					(			
	1 1		1 1		Joint Primary  CONTRACT	Aircraft Training Syster	n (JPATS)	DATE OF	U3AT TECH	DATE
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	FIRST DELIVERY	DATA AVAILABLE NOW?	REVISION AVAILABL
IR VEHICLE Y00	12	2.6	ASC/YT WPAFB OH	May-94	SS/FP w/EPA	Raytheon Aircraft Wichita, Kansas	Jun 00	Nov 02	yes	n/a
Y01	24	2.6	ASC/YT WPAFB OH	May-94	SS/FP w/EPA	Raytheon Aircraft Wichita, Kansas	Jun 01	May 03	yes	n/a
. REMARKS			<u> </u>		1	<u> </u>	-	ļ		

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 18 PAGE NO. 3

FY 2002 DEPARTMENT OF TH			JDGE	T PRC	DUC	ΓΙΟΝ	I SC	HED	ULE,	P-2	1							DATE						2001						
APPROPRIATION/BUDGET AC		<b>′</b>														stem	)	P-1						TUR						
Aircraft Procurement, Navy/BA3												Tra	iner	Air				L				ry Ai	ircra	aft Tr	ainir	ng S	yste	em (J	PAT	TS)
							Pr	odu	ction	Rate								nt Le												
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Item			and L				SR	E	CON	IV	1AX	to	Oct	1	'	Oct :	1	M	fg P	LI	M	fg P	<u>LI</u>		Tota		₩		asure	e
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							C         O         E         A         E         A           T         V         C         N         B         R						Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	L
A/VRAYTHEON AIRCRAFT CO	00	N	12	0	12	C O E A E A																								0
A/VRAYTHEON AIRCRAFT CO	01	N	24	0	24								3	2	3	2	3	2	3	3	3									0
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*March and April 03 production gap filled	with F	MS deli	iveries																											
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																-							-	-				+	-	
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ITEM / MANUFACTURER	F	S	Q	D	В		,				CALEN	IDAR	YEAR	20	05		,						CAL	ENDA	R YE	AR	2006	<u>;</u>		
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DD Form 2445, JUL 87

311 / 244

Previous editions are obsolete

P-1 SHOPPING LIST

ITEM NO 18 PAGE 4

Exhibit P-21 Production Schedule

## **UNCLASSIFIED**

			BUDGET	TITEM JUS	N SHEET					DATE:		
				P-						June 2001		
APPROPRIATION/BUDGET A	CTIVITY					P-1 ITEM NO	MENCLATU	RE				
Aircraft Procurement, Nav	/y/ BA-4						KC-130J	(44A9)				
Program Element for Code B It	ems:					Other Relate	d Program Ele	ements				
N/A							N/A					
	Prior	ID									То	Total
	Years	Code	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Complete	Program
QUANTITY	7		1	3	4							
Net P-1 Cost (\$M)	432.127		71.398	227.313	299.047							
Advance Proc (\$M)												
Wpn Sys Cost (\$M)	432.127		71.398	227.313	299.047							
Initial Spares (\$M)				2.591	24.870							
Proc Cost (\$M)	432.127		71.398	229.904	323.917							
Unit Cost (\$M)	61.732		71.398	76.635	80.979							

#### Description:

1. The KC-130J aircraft is an all metal, high-wing, long-range, land-based monoplane. It is designed for cargo, tanker and troop carrier operations. For tanker operations, the aircrew will consist of a pilot, co-pilot, augmented crew member and two air refueling observers. Features include wing mounted refueling pods, an internal cargo ramp and door, crew and cargo compartment pressurization, ground and in-flight refueling, thermal deicing systems and a Heads-Up Display (HUD). It is designed to take off and land on unimproved runways.

#### Mission

- 2. The mission of the KC-130J is to provide tactical in-flight refueling and assault support transport. As a tactical transport, it is capable of conventional or aerial delivery of personnel or cargo. The aircraft is capable of carrying 92 combat troops or 64 paratroopers with equipment or 74 litters when configured as an ambulance. The aircraft is equipped for in-flight refueling to service two aircraft simultaneously and has a removable 3,600 gallon (13,627 liter) fuel tank in the cargo compartment.
- 3. The KC-130J has the capability to refuel low-speed helicopters and high-speed jet aircraft. Aerial refueling of helicopters are normally conducted at 6,000 feet or below, at an airspeed of 115 KTS TAS and requires a ground change of the refueling basket. The KC-130J aircraft will be powered by four Allison AE 2100D3 Turbo-Prop Engines with four six-bladed composite propellers. The cockpit will include state-of-the-art electronics with Liquid Crystal Display (LCD) instrumentation. The improved power performance of the KC-130J will provide 40 percent greater range, 25 percent higher cruise ceiling, 46 percent decrease in time-to-climb, 21 percent increase in maximum speed and 41 percent decrease in maximum effort take-off run over the existing KC-130F/R/T models.

#### Basis for Request:

4. The FY 2002 budget request provides for 4 aircraft and associated support plus support elements for aircraft procured in prior yea

P-1 SHOPPING LIST

ITEM NO 19 PAGE NO 1

CLASSIFICATION:

**UNCLASSIFIED** 

DD Form 2454, JUN 86

Date: June 2001

AIRCRAFT COST ANALYSIS P-5 Cost Sheet

Aircraft model: KC-130J

### \$ in thousands

			FY 2	2000	FY 2	001	FY 2	002	FY 20	03
		Prior Years	Qty:	1	Qty:	3	Qty:	4	Qty:	
		Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1	Airframe CFE	374,100.000	61,100.000	61,100.000	63,551.000	190,653.000	67,600.000	270,400.000		
2	CFE Electronics									
3	GFE Electronics	3,993.666	685.237	685.237	776.070	2,328.210	802.080	3,208.320		
4	Engines/Eng Acc									
5	Armament									
6	Other GFE	1,036.292	158.048	158.048	275.020	825.060	280.020	1,120.080		
7	Rec Flyaway ECO									
8	Rec Flyaway Cost	379,129.958	61,943.285	61,943.285	64,602.090	193,806.270	68,682.100	274,728.400		
9	Non-Recur Cost			1,200.000						
10	Ancillary Equip			,						
11	4-1									
12	Total Flyaway	379,129.958		63,143.285	64,602.090	193,806.270	68,682.100	274,728.400		
40	Airfrage BOOF	105.010		500.000		100.010				
13	Airframe PGSE	465.040		533.292		400.040				
14 15	Engine PGSE Avionics PGSE	1,179.120		4 440 075						
16		574.060		1,112.975				40.004.000		
	Pec Trng Eq	13,425.000		C4 000		50,000		12,624.000		
17	Pub/Tech Eq Other ILS	1,854.000		61.000		50.000		51.700		
18 19		30,035.822		1,980.734		7,916.735		5,335.040		
20	Prod Eng Supt	5,464.000		4,566.714		7,539.955		6,307.860		
21	Spares Support Cost	52,997.042		8,254.715		17,600.000 33,506.730		24,318.600		
۷1	Support Cost	52,997.042		6,254.715		33,300.730		24,316.000		
22	Gross P-1 Cost	432,127.000		71,398.000		227,313.000		299,047.000		
23	Adv Proc Credit									
24	Net P-1 Cost	432,127.000		71,398.000		227,313.000		299,047.000		
25	Adv Proc CY									
26	Weapon System Cost	432,127.000		71,398.000		227,313.000		299,047.000		
27	Initial Spares					2,591.000		24,870.000		
28	Procurement Cost	432,127.000		71,398.000		229,904.000		323,917.000		

P-1 SHOPPING LIST PAGE NO 2

ITEM NO 19

CLASSIFICATION: UNCLASSIFIED

BUDGET PROCURE	EMENT HIST	ORY AND	PLANNING EXHIB	IT (P-5A)		Weapon System		A. DATE		
B. APPROPRIATION/BUDG	CET ACTIVITY				C. P-1 ITEM NO	KC-130J		June 200	1 SUBHEAD	
Aircraft Procurer		BA-4			KC-130J	MENCLATURE			44A9	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE
AIRFRAME CFE/ FY00	1	\$61,100	USAF WRIGHT PATT OHIO	N/A	FFP	LMAS MARIETTA,GA	MAR 00	JUL 01	N/A	N/A
AIRFRAME CFE/ FY01	3	\$63,551	USAF WRIGHT PATT OHIO	N/A	FFP	LMAS MARIETTA, GA	DEC 00	JUL 02	N/A	N/A
AIRFRAME CFE/ FY02	4	\$67,600	USAF WRIGHT PATT OHIO	N/A	FFP	LMAS MARIETTA, GA	DEC 01	JUL 03	N/A	N/A
D. REMARKS										

FY 2002 BUDGET PRODUCT	ION SCI	HEDU	LE, P	-21														DATE					June	e 200°	l					
APPROPRIATION/BUDGET AC	CTIVITY	,													-	stem		P-1	ITEN	ΛN		NCL		RE						
AIRCRAFT PROCUREMENT, I	NA												K	C-13								<u>-130</u>	)J							
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